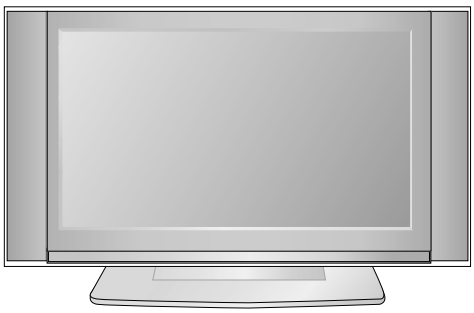
website:http://biz.LGservice.com
e-mail:http://www.LGEservice.com/techsup.html

# LCD TV
# SERVICE MANUAL

**CHASSIS : ML-041A**

## MODEL : RZ-23/30LZ50

**CAUTION**
BEFORE SERVICING THE CHASSIS,
READ THE SAFETY PRECAUTIONS IN THIS MANUAL.



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# SAFETY PRECAUTIONS

## IMPORTANT SAFETY NOTICE

Many electrical and mechanical parts in this chassis have special safety-related characteristics. These parts are identified by ⚠ in the Schematic Diagram and Replacement Parts List.
It is essential that these special safety parts should be replaced with the same components as recommended in this manual to prevent X-RADIATION, Shock, Fire, or other Hazards.
Do not modify the original design without permission of manufacturer.

### General Guidance

An **isolation Transformer should always be used** during the servicing of a receiver whose chassis is not isolated from the AC power line. Use a transformer of adequate power rating as this protects the technician from accidents resulting in personal injury from electrical shocks.

It will also protect the receiver and it's components from being damaged by accidental shorts of the circuitry that may be inadvertently introduced during the service operation.

If any fuse (or Fusible Resistor) in this TV receiver is blown, replace it with the specified.

When replacing a high wattage resistor (Oxide Metal Film Resistor, over 1W), keep the resistor 10mm away from PCB.

Keep wires away from high voltage or high temperature parts.

### X-RAY Radiation

*Warning:*

The source of X-RAY RADIATION in this TV receiver is the High Voltage Section and the LCD PANEL.
For continued X-RAY RADIATION protection, the replacement panel must be the same type panel as specified in the Replacement Parts List.

To determine the presence of high voltage, use an accurate high impedance HV meter.

Adjust brightness, color, contrast controls to minimum.
Measure the high voltage.
The meter reading should indicate
23.5 ± 1.5KV: 14-19 inch, 26 ± 1.5KV: 19-21 inch,
29.0 ± 1.5KV: 25-29 inch, 30.0 ± 1.5KV: 32 inch
If the meter indication is out of tolerance, immediate service and correction is required to prevent the possibility of premature component failure.

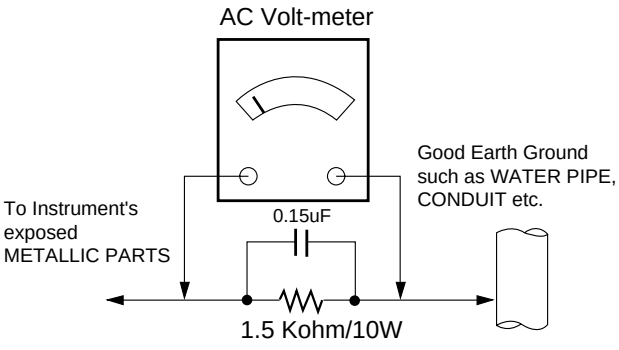
**Before returning the receiver to the customer,**

always perform an **AC leakage current check** on the exposed metallic parts of the cabinet, such as antennas, terminals, etc., to be sure the set is safe to operate without damage of electrical shock.

**Leakage Current Cold Check(Antenna Cold Check)**
With the instrument AC plug removed from AC source, connect an electrical jumper across the two AC plug prongs. Place the AC switch in the on position, connect one lead of ohm-meter to the AC plug prongs tied together and touch other ohm-meter lead in turn to each exposed metallic parts such as antenna terminals, phone jacks, etc.
If the exposed metallic part has a return path to the chassis, the measured resistance should be between 1MΩ and 5.2MΩ.
When the exposed metal has no return path to the chassis the reading must be infinite.
An other abnormality exists that must be corrected before the receiver is returned to the customer.

**Leakage Current Hot Check** (See below Figure)
Plug the AC cord directly into the AC outlet.
**Do not use a line Isolation Transformer during this check.**
Connect 1.5K/10watt resistor in parallel with a 0.15uF capacitor between a known good earth ground (Water Pipe, Conduit, etc.) and the exposed metallic parts.
Measure the AC voltage across the resistor using AC voltmeter with 1000 ohms/volt or more sensitivity.
Reverse plug the AC cord into the AC outlet and repeat AC voltage measurements for each exposed metallic part. Any voltage measured must not exceed 0.75 volt RMS which is corresponds to 0.5mA.
In case any measurement is out of the limits specified, there is possibility of shock hazard and the set must be checked and repaired before it is returned to the customer.

**Leakage Current Hot Check circuit**



# SERVICING PRECAUTIONS

CAUTION: Before servicing receivers covered by this service manual and its supplements and addenda, read and follow the *SAFETY PRECAUTIONS* on page 3 of this publication.
*NOTE:* If unforeseen circumstances create conflict between the following servicing precautions and any of the safety precautions on page 3 of this publication, always follow the safety precautions. Remember: Safety First.

General Servicing Precautions

1. Always unplug the receiver AC power cord from the AC power source before;
   a. Removing or reinstalling any component, circuit board module or any other receiver assembly.
   b. Disconnecting or reconnecting any receiver electrical plug or other electrical connection.
   c. Connecting a test substitute in parallel with an electrolytic capacitor in the receiver.
   **CAUTION:** A wrong part substitution or incorrect polarity installation of electrolytic capacitors may result in an explosion hazard.

2. Test high voltage only by measuring it with an appropriate high voltage meter or other voltage measuring device (DVM, FETVOM, etc) equipped with a suitable high voltage probe.
   Do not test high voltage by "drawing an arc".
3. Do not spray chemicals on or near this receiver or any of its assemblies.
4. Unless specified otherwise in this service manual, clean electrical contacts only by applying the following mixture to the contacts with a pipe cleaner, cotton-tipped stick or comparable non-abrasive applicator; 10% (by volume) Acetone and 90% (by volume) isopropyl alcohol (90%-99% strength)
   **CAUTION:** This is a flammable mixture.
   Unless specified otherwise in this service manual, lubrication of contacts in not required.
5. Do not defeat any plug/socket B+ voltage interlocks with which receivers covered by this service manual might be equipped.
6. Do not apply AC power to this instrument and/or any of its electrical assemblies unless all solid-state device heat sinks are correctly installed.
7. Always connect the test receiver ground lead to the receiver chassis ground before connecting the test receiver positive lead.
   Always remove the test receiver ground lead last.
8. *Use with this receiver only the test fixtures specified in this service manual.*
   **CAUTION:** Do not connect the test fixture ground strap to any heat sink in this receiver.

**Electrostatically Sensitive (ES) Devices**

Some semiconductor (solid-state) devices can be damaged easily by static electricity. Such components commonly are called *Electrostatically Sensitive (ES) Devices.* Examples of typical ES devices are integrated circuits and some field-effect transistors and semiconductor "chip" components. The following techniques should be used to help reduce the incidence of component damage caused by static by static electricity.

1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any electrostatic charge on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging wrist strap device, which should be removed to prevent potential shock reasons prior to applying power to the unit under test.
2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.
3. Use only a grounded-tip soldering iron to solder or unsolder ES devices.
4. Use only an anti-static type solder removal device. Some solder removal devices not classified as "anti-static" can generate electrical charges sufficient to damage ES devices.
5. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.
6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it. (Most replacement ES devices are packaged with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive material).
7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.
   **CAUTION:** Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.
8. Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise harmless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity sufficient to damage an ES device.)

General Soldering Guidelines

1. Use a grounded-tip, low-wattage soldering iron and appropriate tip size and shape that will maintain tip temperature within the range or 500˚F to 600˚F.
2. Use an appropriate gauge of RMA resin-core solder composed of 60 parts tin/40 parts lead.
3. Keep the soldering iron tip clean and well tinned.
4. Thoroughly clean the surfaces to be soldered. Use a mall wire-bristle (0.5 inch, or 1.25cm) brush with a metal handle.
   Do not use freon-propelled spray-on cleaners.
5. Use the following unsoldering technique
   a. Allow the soldering iron tip to reach normal temperature. (500˚F to 600˚F)
   b. Heat the component lead until the solder melts.
   c. Quickly draw the melted solder with an anti-static, suction-type solder removal device or with solder braid.
   CAUTION: Work quickly to avoid overheating the circuitboard printed foil.
6. Use the following soldering technique.
   a. Allow the soldering iron tip to reach a normal temperature (500˚F to 600˚F)
   b. First, hold the soldering iron tip and solder the strand against the component lead until the solder melts.
   c. Quickly move the soldering iron tip to the junction of the component lead and the printed circuit foil, and hold it there only until the solder flows onto and around both the component lead and the foil.
   **CAUTION:** Work quickly to avoid overheating the circuit board printed foil.
   d. Closely inspect the solder area and remove any excess or splashed solder with a small wire-bristle brush.

**IC Remove/Replacement**

Some chassis circuit boards have slotted holes (oblong) through which the IC leads are inserted and then bent flat against the circuit foil. When holes are the slotted type, the following technique should be used to remove and replace the IC. When working with boards using the familiar round hole, use the standard technique as outlined in paragraphs 5 and 6 above.

*Removal*

1. Desolder and straighten each IC lead in one operation by gently prying up on the lead with the soldering iron tip as the solder melts.
2. Draw away the melted solder with an anti-static suction-type solder removal device (or with solder braid) before removing the IC.

*Replacement*

1. Carefully insert the replacement IC in the circuit board.
2. Carefully bend each IC lead against the circuit foil pad and solder it.
3. Clean the soldered areas with a small wire-bristle brush. (It is not necessary to reapply acrylic coating to the areas).

**"Small-Signal" Discrete Transistor Removal/Replacement**

1. Remove the defective transistor by clipping its leads as close as possible to the component body.
2. Bend into a "U" shape the end of each of three leads remaining on the circuit board.
3. Bend into a "U" shape the replacement transistor leads.
4. Connect the replacement transistor leads to the corresponding leads extending from the circuit board and crimp the "U" with long nose pliers to insure metal to metal contact then solder each connection.

**Power Output, Transistor Device Removal/Replacement**

1. Heat and remove all solder from around the transistor leads.
2. Remove the heat sink mounting screw (if so equipped).
3. Carefully remove the transistor from the heat sink of the circuit board.
4. Insert new transistor in the circuit board.
5. Solder each transistor lead, and clip off excess lead.
6. Replace heat sink.

**Diode Removal/Replacement**

1. Remove defective diode by clipping its leads as close as possible to diode body.
2. Bend the two remaining leads perpendicular y to the circuit board.
3. Observing diode polarity, wrap each lead of the new diode around the corresponding lead on the circuit board.
4. Securely crimp each connection and solder it.
5. Inspect (on the circuit board copper side) the solder joints of the two "original" leads. If they are not shiny, reheat them and if necessary, apply additional solder.

**Fuse and Conventional Resistor Removal/Replacement**

1. Clip each fuse or resistor lead at top of the circuit board hollow stake.
2. Securely crimp the leads of replacement component around notch at stake top.
3. Solder the connections.
   **CAUTION:** Maintain original spacing between the replaced component and adjacent components and the circuit board to prevent excessive component temperatures.

**Circuit Board Foil Repair**

Excessive heat applied to the copper foil of any printed circuit board will weaken the adhesive that bonds the foil to the circuit board causing the foil to separate from or "lift-off" the board. The following guidelines and procedures should be followed whenever this condition is encountered.

*At IC Connections*

To repair a defective copper pattern at IC connections use the following procedure to install a jumper wire on the copper pattern side of the circuit board. (Use this technique only on IC connections).

1. Carefully remove the damaged copper pattern with a sharp knife. (Remove only as much copper as absolutely necessary).
2. carefully scratch away the solder resist and acrylic coating (if used) from the end of the remaining copper pattern.
3. Bend a small "U" in one end of a small gauge jumper wire and carefully crimp it around the IC pin. Solder the IC connection.
4. Route the jumper wire along the path of the out-away copper pattern and let it overlap the previously scraped end of the good copper pattern. Solder the overlapped area and clip off any excess jumper wire.

*At Other Connections*

Use the following technique to repair the defective copper pattern at connections other than IC Pins. This technique involves the installation of a jumper wire on the component side of the circuit board.

1. Remove the defective copper pattern with a sharp knife. Remove at least 1/4 inch of copper, to ensure that a hazardous condition will not exist if the jumper wire opens.
2. Trace along the copper pattern from both sides of the pattern break and locate the nearest component that is directly connected to the affected copper pattern.
3. Connect insulated 20-gauge jumper wire from the lead of the nearest component on one side of the pattern break to the lead of the nearest component on the other side. Carefully crimp and solder the connections.
   **CAUTION:** Be sure the insulated jumper wire is dressed so the it does not touch components or sharp edges.

# SPECIFICATION

NOTE : Specifications and others are subject to change without notice for improvement.

## 1. Application range

This specification is applied to ML-041A chassis.

## 2. Requirement for Test

Testing for standard of each part must be followed in below condition.

(1) Temperature: 25°C ± 2°C
(2) Humidity: 65% ± 10%
(3) Power: Standard input voltage (AC 100-240V, 50/60Hz)
(4) Measurement must be performed after heat-run more than 30min.
(5) Adjusting standard for this chassis is followed a special standard.

## 3.General Specification(TV)

| No. | Item | Specification | Remark |
|---|---|---|---|
| 1 | Video input applicable system | 1)PAL-D/K,B/G,I<br>2)NTSC-M<br>3)SECAM NTSC 4.43' | |
| 2 | Receivable broadcasting system | 1)PAL/SECAM BG<br>2)PAL/SECAM DK<br>3)PAL I/I<br>4)SECAM L/L'<br>5)NTSC M | EU/Non-EU(RZ/RT)<br>(PAL Market) |
| | | 6)PAL-N/M<br>7)NTSC M | 7)NTSC Area(RM) |
| 3 | RF input channel | VHF : E2 ~ E12<br>UHF : E21 ~ E69<br>CATV : S1 ~ S20<br>HYPER : S21 ~ S41 | PAL |
| | | L/L' : B,C,D | FRANCE |
| | | VHF : 2 ~ 13<br>UHF : 14 ~ 69<br>CATV : 1 ~ 125 | NTSC |
| | | VHF Low : 1~M10<br>VHF High : 4~S22<br>UHF : S23~62 | JAPAN |
| 4 | Input voltage | AC 100 - 240V/ 50Hz,60HZ | |
| 5 | Picture size | 584.4mm | 23" |
| 6 | Tuning system | FVS 100 program<br>FS | PAL, 200PR.(Option)<br>NTSC |
| 7 | Operting environment | 1)Temp : 0 ~ 40 deg<br>2)Humidity : 85% | |
| 8 | Storage environment | 3)Temp : -20 ~ 60 deg<br>4)Humidity : 85% | |
| 9 | Display | LCD Module | LPL |

## 5.General Specification(Monitor)

| No. | Item | Specification | | | Unit | Remark |
|---|---|---|---|---|---|---|
| 1 | Panel | 23" TFT WXGA LCD | | | | |
| 2 | Frequency range | H:31 ~ 61KHz, V: 56 ~ 75Hz | | | | DVI-I input |
| 3 | Control function | 1) Contrast/ Brightness<br>2) H- Position/ V-Position<br>3) Tracking : Clock/Phase<br>4) Auto Configure<br>5) Reset | | | | |
| 4 | Component Jack | 1: Y<br>3: Pb<br>5: Pr<br>7: Line1 Ready<br>9: LINE2<br>11: LINE3<br>13: Line3 Ready | | | | Middle east<br>/NTSC Only |
| | D4 Jack<br>(525i,525p,750p,1125i) | 2: Y GND<br>4: Pb GND<br>6: Pr GND<br>8: LINE1<br>10: Line2 Ready<br>12: SWITCH GND<br>14: SWITCH | | | | Japan only |
| 5 | | H/V-Sync | Video | Power consumption | | LED |
| | Power ON | ON/ON | Active | ≤ Max 170 | W | Red dimmed |
| | Stand by | OFF/ON | OFF | ≤ 3.0 | W | Red |
| | DPMS Mode | ON/OFF | OFF | ≤typ.30 | W | Red dimmed |
| | Power off | - | - | - | W | *. |
| 6 | LCD Module | Type | LPL | 528 x 332.6 x34.5 | mm | (H) x (V) x (D) |
| | | Size | | | | |
| | | | | | | |
| | | Pixel Pitch | LPL | 0.1305 x 0.3915 x RGB | mm | |
| | | | | | | |
| | | | | | | |
| | | Pixel Format | 1280 horiz. By 768 vert. pixels<br>RGB strip arrangement | | | |
| | | Coating | Hard coating(3H), Anti-glare<br>treatment of the front polarizer | | | |
| | | Back Light | LPL | EEFL | | |
| | | | | | | |
| | | | | | | |

## 6.Optical Feature(LCD Module)

| No. | Item | Specification | | | | | | Remark |
|---|---|---|---|---|---|---|---|---|
| | | | | | LPL | | | |
| 1 | Viewing Angle<br><CR≥10> | R/L, U/D | | | 176,176 | | | |
| 2 | Luminance | Luminance(cd/㎡) | | | 450 | | | Typical |
| | | Variation | | | 1.3 | | | MAX/MIN |
| 3 | Contrast Ratio | | | | 400 | | | ALL white/All back |
| 4 | CIE Color Coordinates | WHITE | $W_X$ | Typ. | 0.284 | 0.285 | 0.289 | LPL |
| | | | $W_Y$ | Typ. | 0.295 | 0.293 | 0.303 | |
| | | RED | $W_r$ | Typ. | | | | |
| | | | $Y_r$ | Typ. | | | | |
| | | Green | $X_g$ | Typ. | | | | |
| | | | $Y_g$ | Typ. | | | | |
| | | Blue | Xb | Typ. | | | | |
| | | | Yb | Typ. | | | | |

## 7.Feature and Function

| No. | Item | Specification | Remark |
|---|---|---|---|
| 1 | Teletext | TOP, FLOF, LIST 10 page | Top(option) |
| 2 | REMOCON | NEC code | PAL/NTSC |
| 3 | AV input | 1 | Rear(RT/RM) |
| 4 | S-AV input | 1 | Side |
| 5 | Component input | 2 | Side, Rear(RT/RM) |
| 6 | PERI TV connector | Half SCART: 1 | Rear(RZ) |
| 7 | PERI TV connector | Full SCART: 1 | Rear(RZ) |
| 8 | RGB input | 1 | DVI |
| 9 | RS-232 | 1 | D-Sub 9 pin(RM) |
| 10 | Discrete IR | 1 | (RM) |
| 11 | D-sub audio input | 1 | Stereo |
| 12 | 2 Carrier stereo | BG,DK | |
| 13 | NICAM stereo | BG,I,LL’ | |
| 14 | 2 Carrier dual | BG,DK | |
| 15 | NICAM dual | BG,I,LL’ | |
| 16 | DW(Double Window) mode | X | |
| 17 | MW(Multi Window) mode | X | |
| 18 | Film mode | O | |
| 19 | Noise reduction | X | |
| 20 | Progressive scan | O | |
| 21 | Motion detection | O | |
| 22 | SRS WOW | X | |
| 23 | Swivel Speaker | X | |
| 24 | EZ-pip | X | |
| 25 | Local Key | Pr+/-, vol+/-, ok, menu, tv/av, power | |

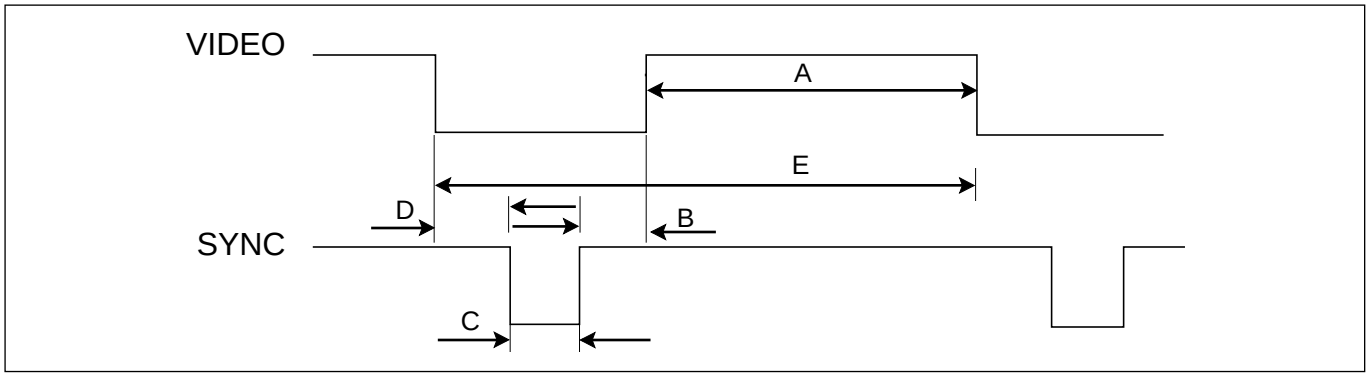
### 8.Component Video Input(Y, $P_B$, $P_R$)

| NO | Resoluton | H-freq(kHz) | V-freqHz) | Pixel clock | Proposed |
|---|---|---|---|---|---|
| 1 | 640 x 480 | 15.73 | 60.00 | SDTV. DVD 480i | RZ, RT, RM |
| 2 | 640 x 480 | 15.63 | 59.94 | SDTV. DVD 480i | RZ, RT, RM |
| 3 | 704 x 480 | 31.47 | 59.94 | EDTV 480p | RT, RM |
| 4 | 720 x 576 | 15.625 | 50.00 | SDTV. DVD 625 Line | RZ, RT, RM |
| 5 | 720 x 576 | 31.25 | 50.00 | HDTV 576p | RT, RM |
| 6 | 1280 x 720 | 45.00 | 60.00 | HDTV 720p | RT, RM |
| 7 | 1280 x 720 | 44.96 | 59.94 | HDTV 720p | RT, RM |
| 8 | 1920 x 1080 | 31.25 | 50.00 | HDTV 1080i 50Hz(For Australia) | RT, RM |
| 9 | 1920 x 1080 | 33.75 | 60.00 | HDTV 1080i 60Hz(ATSC) | RT, RM |
| 10 | 1920 x 1080 | 33.72 | 59.94 | HDTV 1080i 59.94Hz | RT, RM |

### 9.PC Input Mode

| NO | Resoluton | H-freq(kHz) | V-freq(Hz) | Pixel clock(MHz) | Proposed |
|---|---|---|---|---|---|
| DVI-PC, Analog RGB, Digital RGB | | | | | |
| 1 | 640 x 480 | 31.469 | 59.94 | 25.17 | VESA(VGA) |
| 2 | 640 x 480 | 35 | 67 | 30.24 | VESA(VGA) |
| 3 | 640 x 480 | 37.500 | 75.00 | 31.50 | VESA(VGA) |
| 4 | 800 x 600 | 35.156 | 56.25 | 36.00 | VESA(SVGA) |
| 5 | 800 x 600 | 37.879 | 60.31 | 40.00 | VESA(SVGA) |
| 6 | 800 x 600 | 48.077 | 72.18 | 50.00 | VESA(SVGA) |
| 7 | 800 x 600 | 46.875 | 75.00 | 49.50 | VESA(SVGA) |
| 8 | 1024 x 768 | 48.363 | 60.00 | 65.00 | VESA(XGA) |
| 9 | 1024 x 768 | 56.476 | 70.06 | 75.00 | VESA(XGA) |
| 10 | 1024 x 768 | 60.023 | 75.02 | 78.75 | VESA(XGA) |
| 11 | 1280 x 768 | 47.693 | 60.00 | 80.125 | VESA(WXGA) |
| 12 | 1280 x 720 | 45.00 | 60.00 | 74.375 | HDCP DVI Digital 720p |
| 13 | 1920 x 1080 | 33.75 | 60.00 | 86.375 | HDCP DVI Digital 1080i |

# TIMING CHART




**<<** Dot Clock **(MHz),** Horizontal Frequency **(kHz)**, Vertical Frequency **(Hz)**, Horizontal etc... **(μs)**, Vertical etc... **(ms) >>**

| Mode | H/V Sort | Sync Polarity | Dot Clock | Frequency | Total Period (E) | Video Active Time (A) | Front Porch (B) | Sync Duration (D) | Back Porch (F) | Resolution |
|---|---|---|---|---|---|---|---|---|---|---|
| **1** | H | + | 25.175 | 31.469 | 800 | 640 | 16 | 96 | 48 | **640x480** |
| | V | – | | 59.94 | 525 | 480 | 10 | 2 | 33 | |
| **2** | H | – | 30.240 | 35 | 864 | 640 | 64 | 64 | 96 | **640x480** |
| | V | + | | 66.667 | 525 | 480 | 3 | 3 | 39 | |
| **3** | H | – | 31.5 | 37.5 | 840 | 640 | 16 | 64 | 120 | **640x480** |
| | V | – | | 75 | 500 | 480 | 1 | 3 | 16 | |
| **4** | H | – | 36 | 35.156 | 1024 | 800 | 24 | 72 | 128 | **800x600** |
| | V | – | | 56.25 | 625 | 600 | 1 | 2 | 22 | |
| **5** | H | + | 40.0 | 37.879 | 1056 | 800 | 40 | 128 | 88 | **800x600** |
| | V | + | | 60.317 | 628 | 600 | 1 | 4 | 23 | |
| **6** | H | + | 50.0 | 48.077 | 1040 | 800 | 56 | 120 | 64 | **800x600** |
| | V | + | | 72.188 | 666 | 600 | 37 | 6 | 23 | |
| **7** | H | +/– | 49.5 | 46.875 | 1056 | 800 | 16 | 80 | 160 | **800x600** |
| | V | +/– | | 75.0 | 625 | 600 | 1 | 3 | 21 | |
| **8** | H | – | 65.0 | 48.363 | 1344 | 1024 | 24 | 136 | 160 | **1024x768** |
| | V | – | | 60.004 | 806 | 768 | 3 | 6 | 29 | |
| **9** | H | + | 75 | 56.476 | 1328 | 1024 | 24 | 136 | 144 | **1024x768** |
| | V | + | | 70.069 | 806 | 768 | 3 | 6 | 29 | |
| **10** | H | + | 78.75 | 60.023 | 1312 | 1024 | 16 | 96 | 176 | **1024x768** |
| | V | – | | 75.029 | 800 | 768 | 1 | 3 | 28 | |
| **11** | H | + | 79.50 | 47.776 | 1664 | 1280 | 64 | 128 | 192 | **1280x768** |
| | V | – | | 59.870 | 798 | 768 | 3 | 7 | 20 | |

# ADJUSTMENT INSTRUCTION

## 1. Application Object

This instruction is for the application to the LCD TV.

## 2. Adjustment

### 2.1 Auto Gain/Offset adjustment

2.1.1 Adjustment preparation

1) Conduct Heat Run with the White Pattern for more than 30 minutes.
2) Connect the signals of Pattern Generator to DVI-I Jack of LCD TV.

2.1.2 Auto Gain/Offset adjustment

1) Use the Pattern Generator (801GF, VG819) to authorize XGA (1024 X 768) for resolution and 16 gray scale signals for patterns. Or authorize 16 gray scale (11 gray scale) signals in accordance with VG819.
2) Press the IN-START Key to convert to the adjustment mode using the adjustment (SVC) remote controller, and press VOL+ Key at the AutoGain menu.
3) Once the adjustment is completed, press the Enter Key to save and finish the adjustment

### 2.2 EDID (The Extended Display Identification Data) setting

1) Connect D-Sub to DVI-I Cable with DVI-I Jack.
2) Select TV as an input source and press the [Instart] key on the remote control.
3) Select Analog for analog data, and Digital for digital data.
4) Connect the DDC automation equipment and write the DDC data.

2.2.1 EDID DATA

[DDC DATA Analog]

| | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 0A | 0B | 0C | 0D | 0E | 0F |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 | 00 | FF | FF | FF | FF | FF | FF | 00 | 1E | 6D | 05 | 56 | 01 | 01 | 01 | 01 |
| 10 | 0C | 0E | 01 | 03 | 18 | 46 | 2B | 78 | EE | E8 | AA | A1 | 57 | 49 | 9C | 25 |
| 20 | 10 | 48 | 4B | AB | 8C | 00 | 45 | 4F | 61 | 4F | 81 | CF | 01 | 01 | 01 | 01 |
| 30 | 01 | 01 | 01 | 01 | 01 | 01 | 40 | 1F | 00 | 90 | 51 | 00 | 1B | 30 | 40 | 88 |
| 40 | 37 | 00 | BC | AE | 21 | 00 | 00 | 1C | 00 | 00 | 00 | FD | 00 | 38 | 4B | 1F |
| 50 | 3D | 0A | 00 | 0A | 20 | 20 | 20 | 20 | 20 | 20 | 00 | 00 | 00 | FC | 00 | 52 |
| 60 | 5A | 32 | 37 | 4C | 5A | 35 | 30 | 0A | 20 | 20 | 20 | 20 | 00 | 00 | 00 | FC |
| 70 | 00 | 0A | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 00 | FA |

[DDC DATA Digital]

| | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 0A | 0B | 0C | 0D | 0E | 0F |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 | 00 | FF | FF | FF | FF | FF | FF | 00 | 1E | 6D | 06 | 56 | 01 | 01 | 01 | 01 |
| 10 | 0C | 0E | 01 | 03 | 98 | 46 | 2B | 96 | EE | E8 | AA | A1 | 57 | 49 | 9C | 25 |
| 20 | 10 | 48 | 4B | BF | EE | 00 | 31 | 40 | 3B | CA | 45 | 40 | 61 | 40 | 81 | C0 |
| 30 | 81 | CF | 01 | 01 | 01 | 01 | 40 | 1F | 00 | 90 | 51 | 00 | 1B | 30 | 40 | 88 |
| 40 | 37 | 00 | BC | AE | 21 | 00 | 00 | 1C | 00 | 00 | 00 | FD | 00 | 38 | 4B | 1F |
| 50 | 3D | 0A | 00 | 0A | 20 | 20 | 20 | 20 | 20 | 20 | 00 | 00 | 00 | FC | 00 | 52 |
| 60 | 5A | 32 | 33 | 4C | 5A | 35 | 30 | 0A | 20 | 20 | 20 | 20 | 00 | 00 | 00 | FC |
| 70 | 00 | 0A | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 00 | 52 |

# 3. Shipping Conditions

| NO | ITEM | | | CONDITION | REMARK |
|---|---|---|---|---|---|
| 1 | Power | | | Off | |
| 2 | Volume Level | | | 30 | |
| 3 | Main Pcture Input | | | TV | |
| 5 | Main Last Channel | | | Pr 01 | |
| 8 | Mute | | | Off | |
| 9 | ARC | | | 16:9 | |
| 10 | Station | Auto Program | | | |
| | | Manual Program | | | |
| | | Program Edit | | | |
| | | Favorite Program | | None | |
| 11 | Picture | PSM | | Dynamic | |
| | | Dynamic | Contrast | 80 | |
| | | | Brightness | 40 | |
| | | | Colour | 70 | |
| | | | Sharpness | 70 | |
| | | | Tint | 0 | NTSC OPTION |
| 14 | Sound | SSM | | Flat | |
| | | AVL | | Off | |
| | | Balance | | 0 | |
| 15 | Special | Input | | TV | |
| | | Child Lock | | Off | |
| | | Auto sleep | | Off | |
| | | Language | | English(Area Management) | |
| 16 | PC | H-Position | | Variable by each mode | |
| | | V-Position | | | |
| | | Clock | | | |
| | | Phase | | | |
| | | Auto Configure | | | |

# *Option(PAL)

| NO | ITEM | CONDITION | REMARK |
|---|---|---|---|
| Option 1 | | | |
| 1 | Side AV | 1 | 0: Side AV Off<br>1: Side AV On |
| 2 | SCART | 1 | 0: SCART Off<br>1: SCART On |
| 3 | PC | 1 | 0: PC Off<br>1: PC On |
| 4 | SideComp | 1 | 0: SideComp Off<br>1: SideComp On |
| 5 | 16:9 | 1 | 0: Wide Off<br>1: Wide On |
| 6 | 200PR | 0 | 0: 100 Program<br>1: 200 Program |
| 7 | Text | 1 | 0: Text Off<br>1: Text On |
| 8 | ACMS | 1 | 0: ACMS On<br>1: ACMS Off |
| Option 2 | | | |
| 1 | HiDev | 0 | 0: HiDev Off<br>1: HiDev On |
| 2 | Hotel | 0 | 0: Hotel Off<br>1: Hotel On |
| 3 | Top | 1 | 0: Top Off<br>1: Top On |
| 4 | I II SAVE | 1 | 0: Ch. Sound Non Memory<br>1: Ch. Sound Memory |
| 5 | Turbo Vol | 0 | 0: except below area(Off)<br>1: Middle-east Area Vol On |
| 6 | Ch/Aus | 0 | 0: except below area(Off)<br>1: China, Australia On |

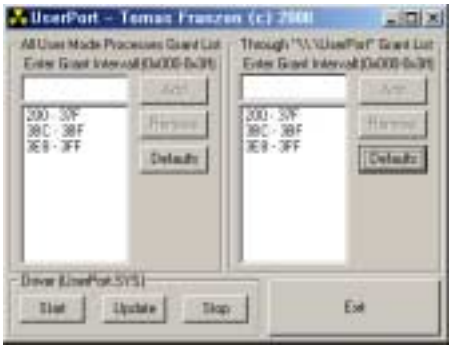
| NO | ITEM | CONDITION | REMARK |
|---|---|---|---|
| Option 3 | | | |
| 1 | Language | 1 | 0: Eng Only<br>1: EU5<br>2: 12 nations(Europe)<br>3: Eng + Chines<br>4: Eng + Arab + Urdu<br>5: Eng + FARSI |
| 2 | Txt Lang | 0 | 0: WEST EU<br>1: EAST EU 1<br>2: TURKY EU<br>3: EAST EU 2<br>4: CYRILLIC 1<br>5: CYRILLIC 2<br>6: CYRILLIC 3<br>7: TURKY GRE 1<br>8: TURKY GRE 2<br>9: TURKY GRE 3<br>10: ARAB FRAN<br>11: ARAB ENG<br>12: ARAB HEB 1<br>13: ARAB HEB 2<br>14: FARSI ENG<br>15: FARSI FRA<br>16: FARI ALL |
| 3 | Inch opt | 0 | reserved |
| 4 | DDCi | Analog | Analog: Analog<br>Digital: Digital |

# EDID ADJUSTMENT

Windows EDID V1.0 User Manual

Operating System: MS Windows 98, 2000, XP
Port Setup: Windows 98 => Don't need setup
Windows 2000, XP => Need to Port Setup.
This program is available to LCD Monitor only.

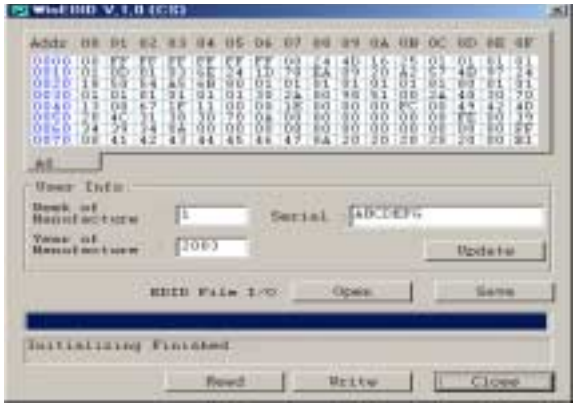
1. Port Setup
   a) Copy "UserPort.sys" file to
   "c:\WINNT\system32\drivers" folder
   b) Run Userport.exe



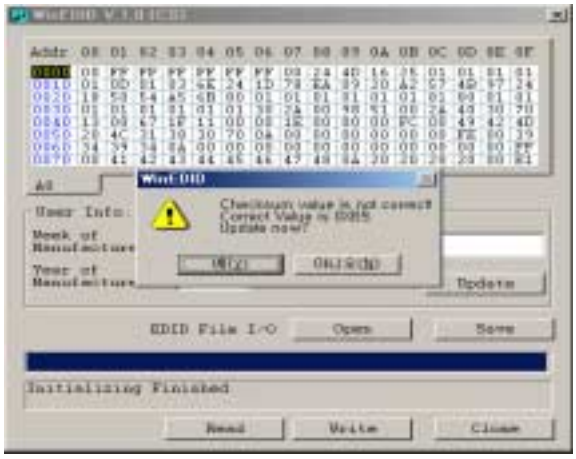
   c) Remove all default number
   d) Add 300-3FF

   e) Click Start button.
   f) Click Exit button.

2. EDID Read & Write
   1) Run WinEDID.exe



   2) Edit Week of Manufacture, Year of Manufacture, Serial Number
      a) Input User Info Data
      b) Click "Update" button
      c) Click " Write" button



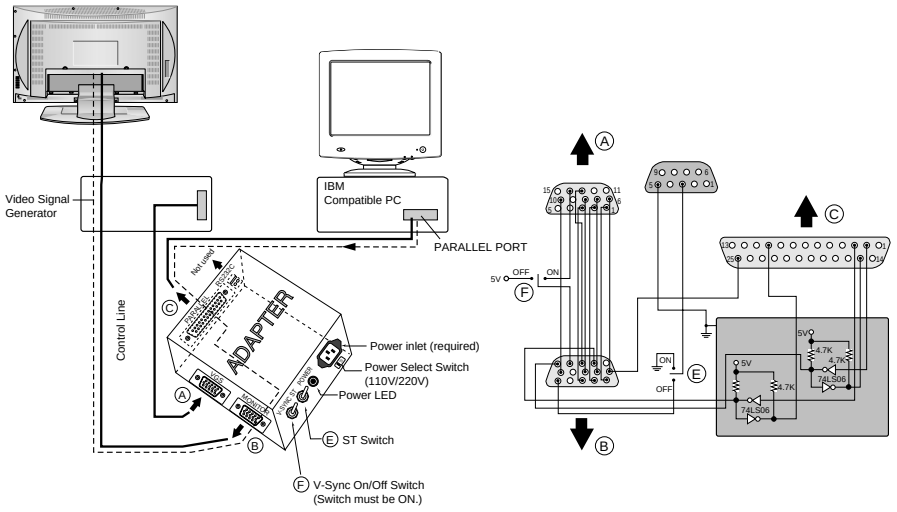
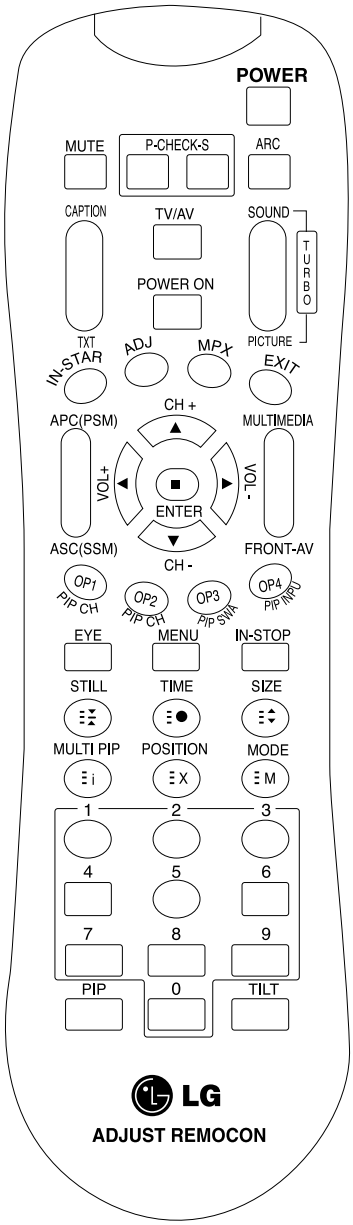


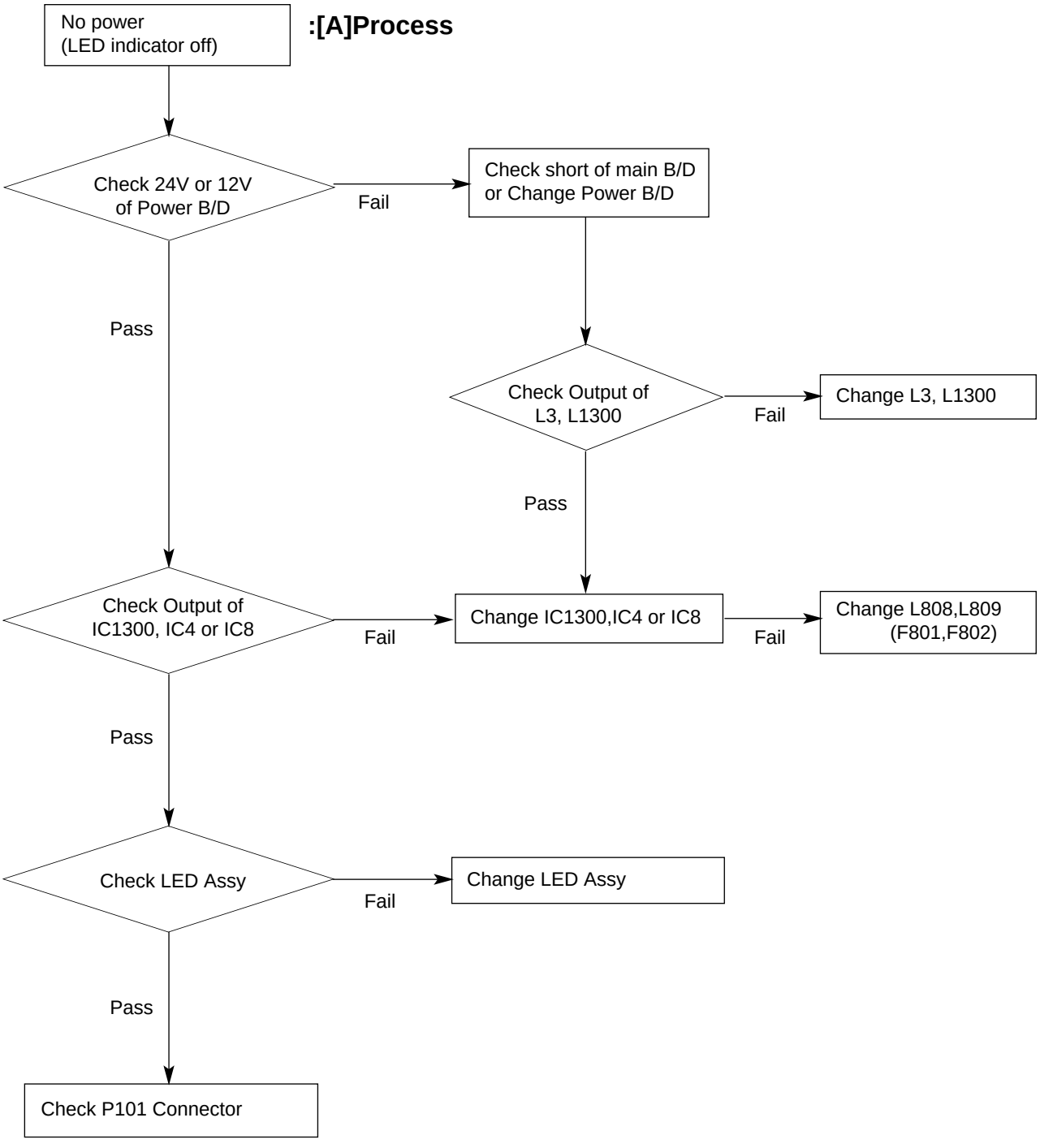

**Figure 1. Cable Connection**

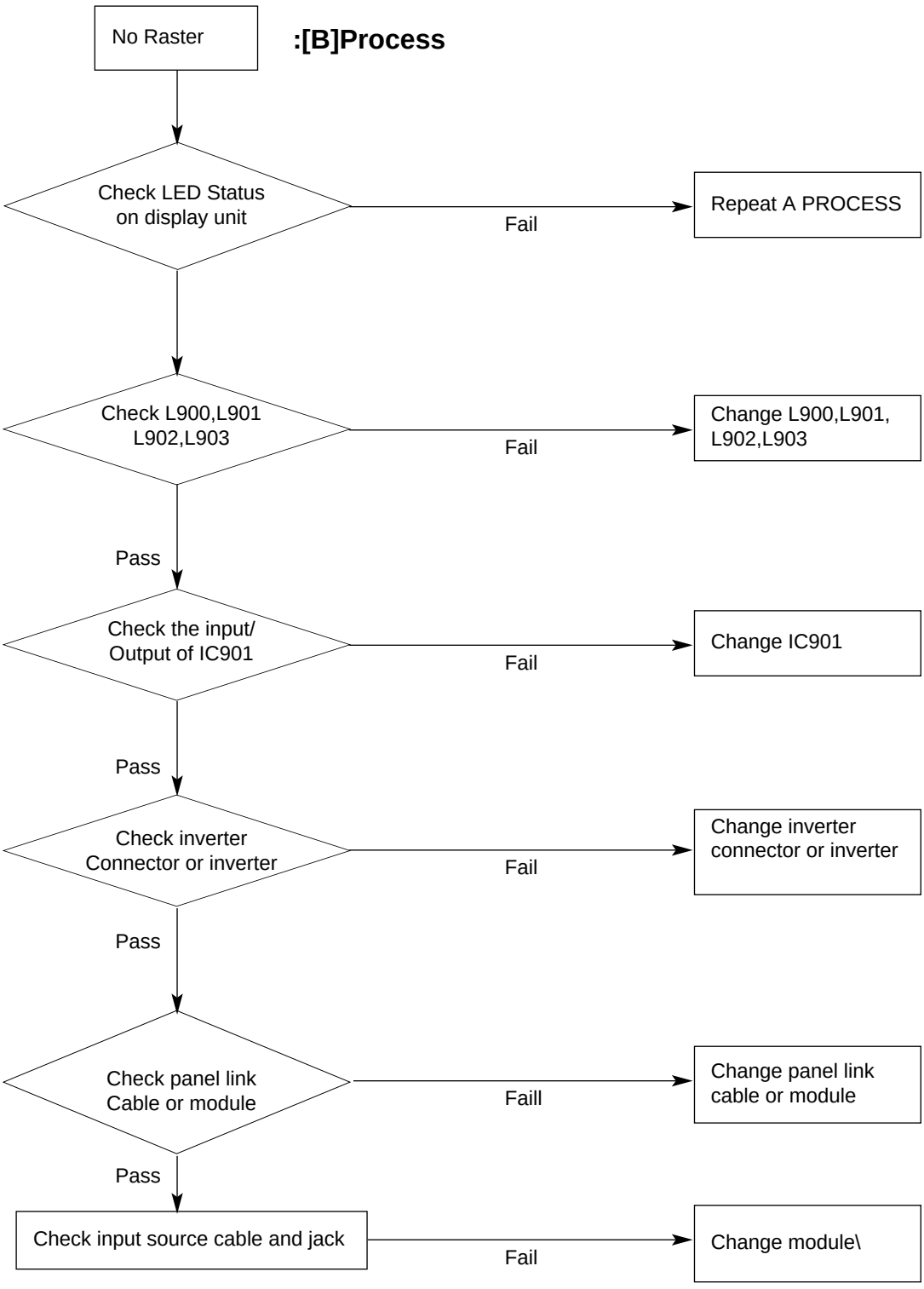
# SVC REMOCON

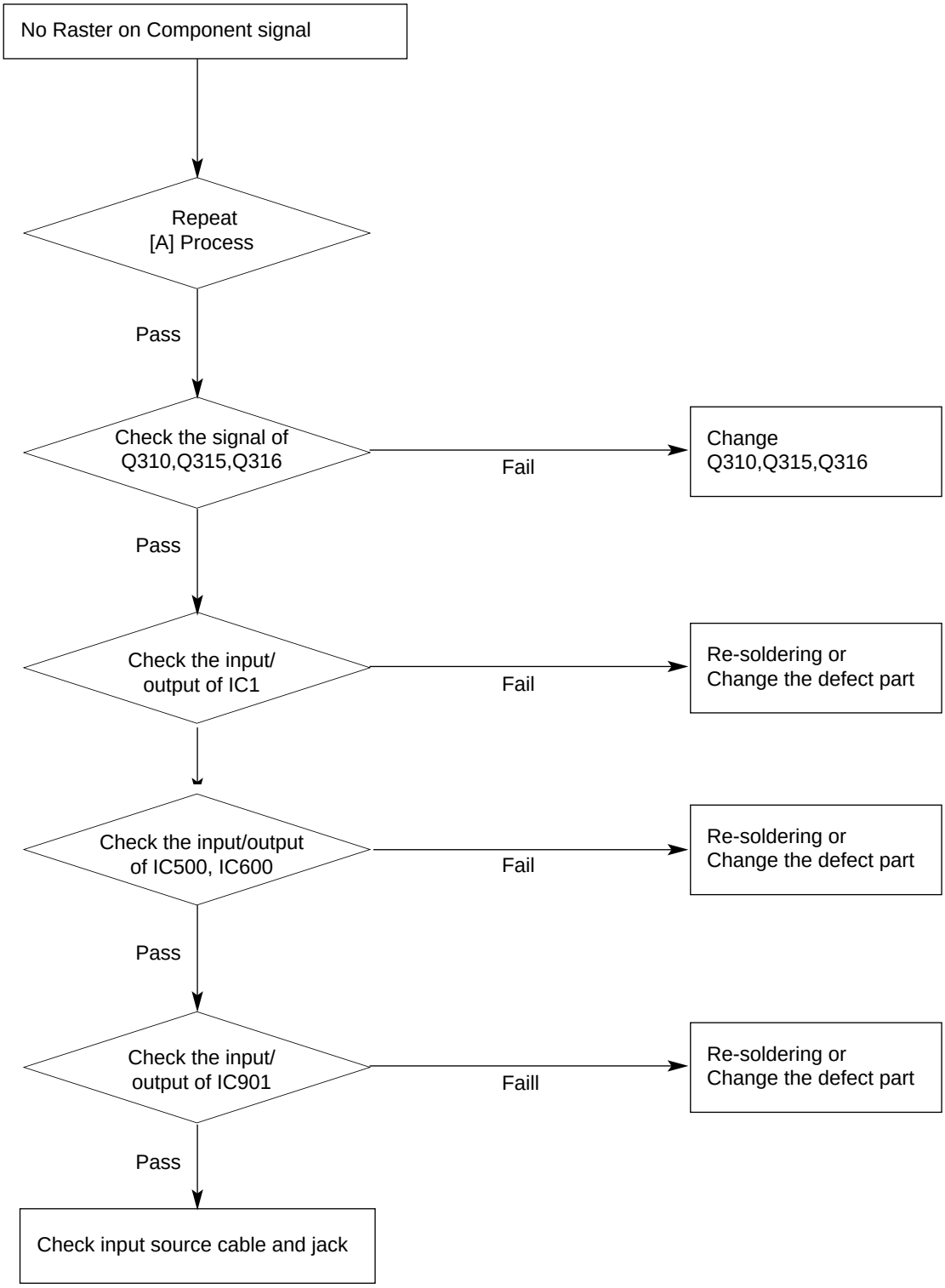
| NO | KEY | FUNTION | REAMARK |
|---|---|---|---|
| 1 | POWER | To turn the TV on or off | |
| 2 | POWER ON | To turn the TV on automatically if the power is supplied to the TV. (Use the POWER key to deactivate): It should be deactivated when delivered. | |
| 3 | MUTE | To activate the mute function. | |
| 4 | P-CHECK | To check TV screen image easily. | Shortcut keys |
| 5 | S-CHECK | To check TV screen sound easily | Shortcut keys |
| 6 | ARC | To select size of the main screen (Normal, Spectacle, Wide or Zoom) | Shortcut keys |
| 7 | CAPTION | Switch to closed caption broadcasting | |
| 8 | TXT | To toggle on/off the teletext mode | |
| 9 | TV/AV | To select an external input for the TV screen | |
| 10 | TURBO SOUND | To start turbo sound | |
| 11 | TURBO PICTURE | To start turbo picture | |
| 12 | IN-START | To enter adjustment mode when manufacturing the TV sets. | Use the AV key to enter the screen W/B adjustment mode. |
| | | To adjust the screen voltage (automatic):<br>In-start → mute → Adjust → AV(Enter into W/B adjustment mode) | |
| | | W/B adjustment (automatic):<br>After adjusting the screen →W/B adjustment →Exit two times (Adjustment completed) | |
| 13 | ADJ | To enter into the adjustment mode. To adjust horizontal line and sub-brightness. | |
| 14 | MPX | To select the multiple sound mode (Mono, Stereo or Foreign language) | |
| 15 | EXIT | To release the adjustment mode | |
| 16 | APC(PSM) | To easily adjust the screen according to surrounding brightness | |
| 17 | ASC(SSM) | To easily adjust sound according to the program type | |
| 18 | MULTIMIDIA | To check component input | Shortcut keys |
| 19 | FRONT-AV | To check the front AV | Shortcut keys |
| 20 | CH± | To move channel up/down or to select a function displayed on the screen. | |
| 21 | VOL± | To adjust the volume or accurately control a specific function. | |
| 22 | ENTER | To set a specific function or complete setting. | |
| 23 | EYE | To set a function that will automatically adjust screen status to match the surrounding brightness so natural color can be displayed. | |
| 24 | MENU | To select the functions such as video, voice, function or channel. | |
| 25 | IN-STOP | To set the delivery condition status after manufacturing the TV set. | |
| 26 | TIME | Displays the telext time in the normal mode.<br>Enables to select the sub code in the telext mode | |
| 27 | MODE | Used as Mode in the teletext mode | |
| 28 | 0~9 | To manually select the channel. | |

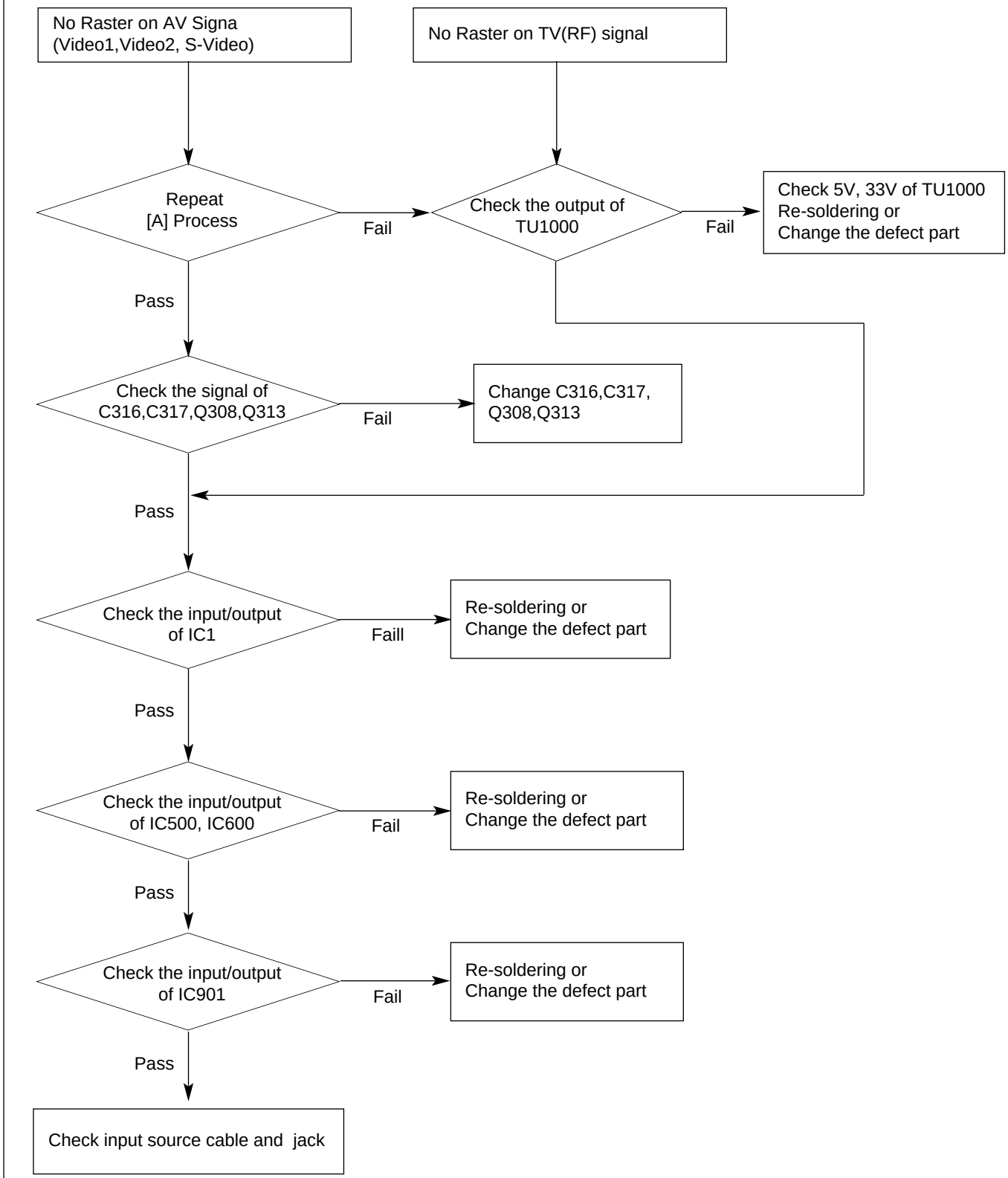


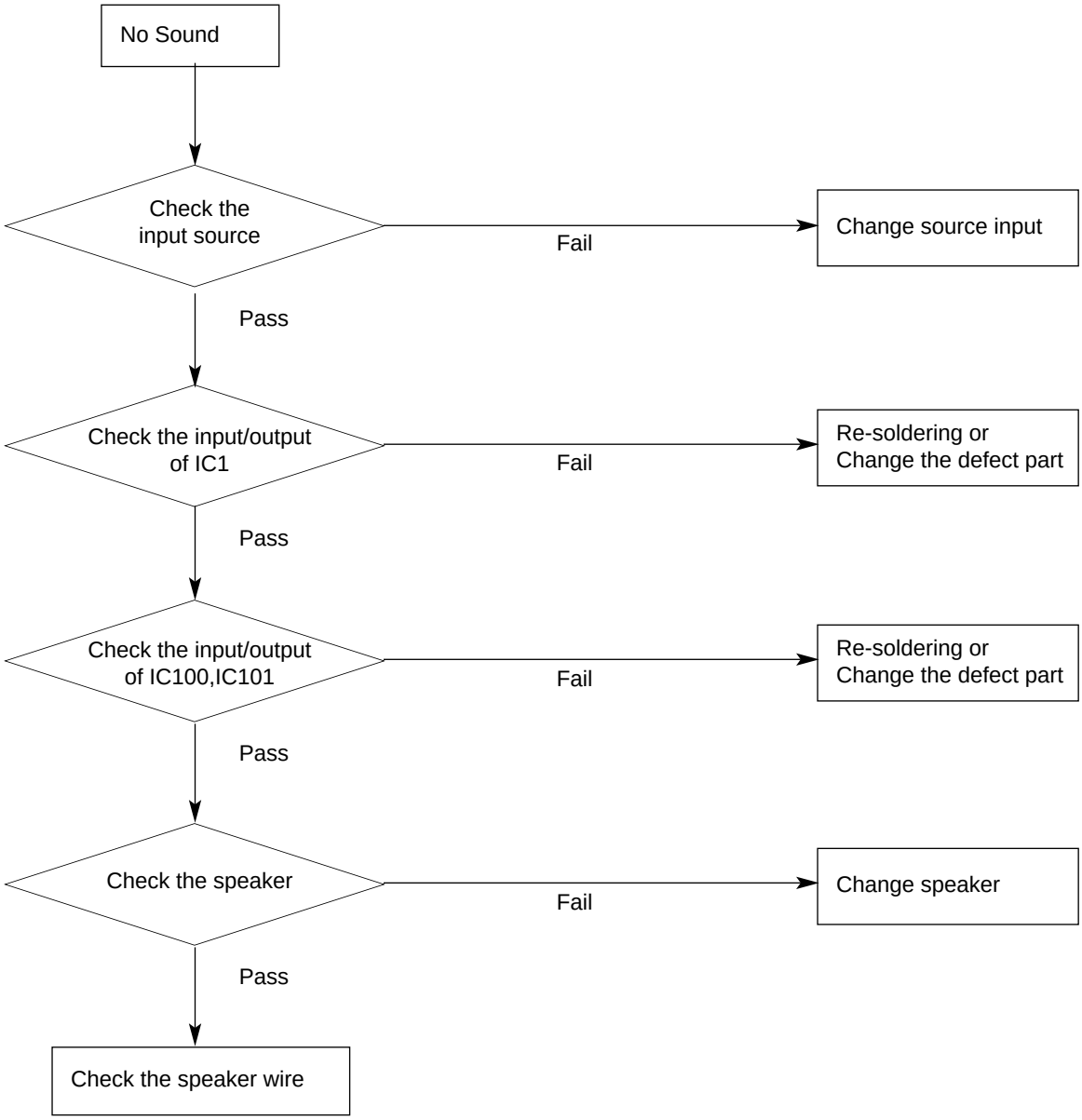
# TROUBLESHOOTING



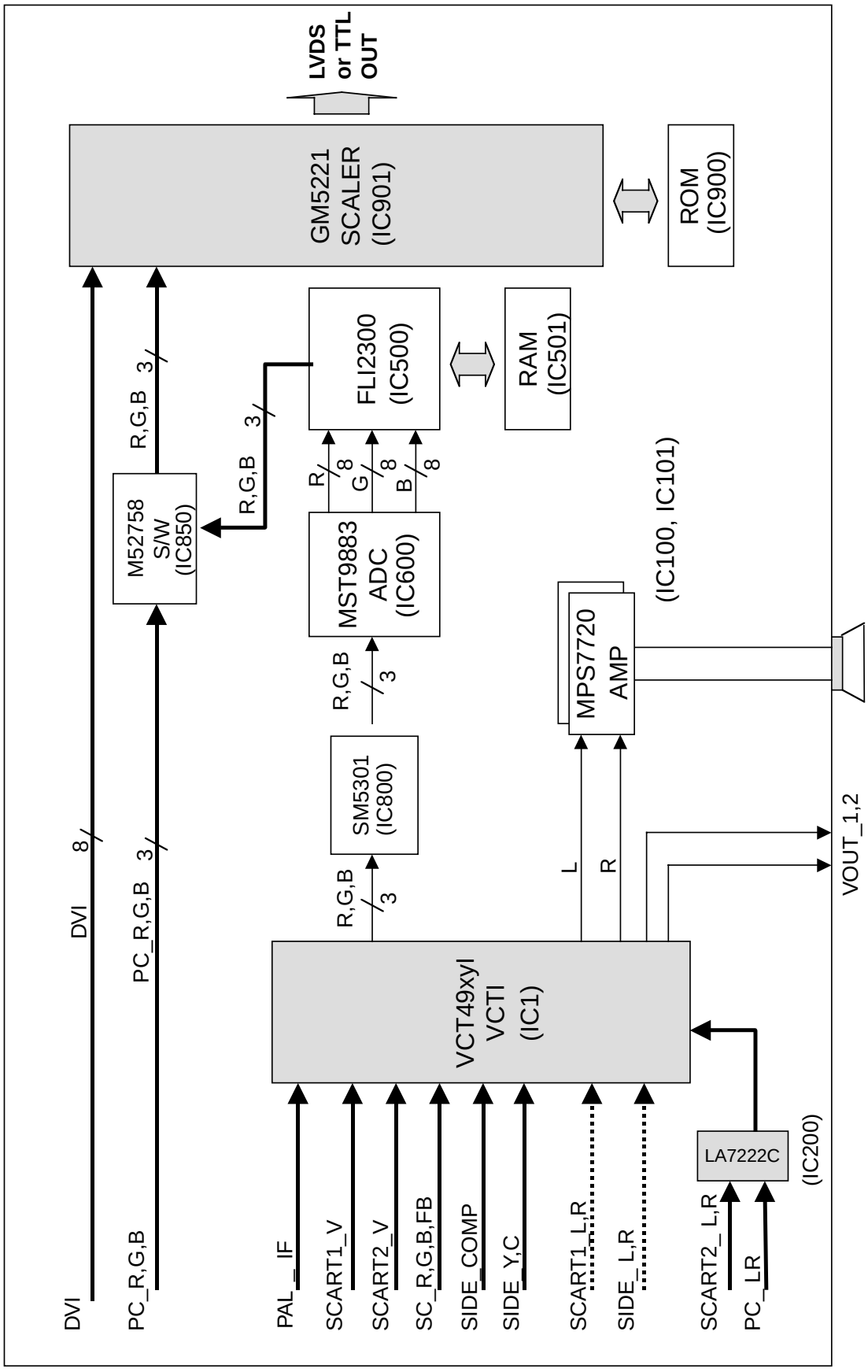

No Raster
:[B]Process
Check LED Status on display unit
Fail
Repeat A PROCESS
Check L900,L901 L902,L903
Fail
Change L900,L901, L902,L903
Pass
Check the input/ Output of IC901
Fail
Change IC901
Pass
Check inverter Connector or inverter
Fail
Change inverter connector or inverter
Pass
Check panel link Cable or module
Faill
Change panel link cable or module
Pass
Check input source cable and jack
Fail
Change module\


No Raster on Component signal
Repeat
[A] Process
Pass
Check the signal of
Q310,Q315,Q316
Fail
Change
Q310,Q315,Q316
Pass
Check the input/
output of IC1
Fail
Re-soldering or
Change the defect part
Check the input/output
of IC500, IC600
Fail
Re-soldering or
Change the defect part
Pass
Check the input/
output of IC901
Faill
Re-soldering or
Change the defect part
Pass
Check input source cable and jack


No Raster on AV Signa
(Video1,Video2, S-Video)
No Raster on TV(RF) signal
Repeat
[A] Process
Fail
Check the output of
TU1000
Fail
Check 5V, 33V of TU1000
Re-soldering or
Change the defect part
Pass
Check the signal of
C316,C317,Q308,Q313
Fail
Change C316,C317,
Q308,Q313
Pass
Check the input/output
of IC1
Faill
Re-soldering or
Change the defect part
Pass
Check the input/output
of IC500, IC600
Fail
Re-soldering or
Change the defect part
Pass
Check the input/output
of IC901
Fail
Re-soldering or
Change the defect part
Pass
Check input source cable and jack


No Sound
Check the input source
Fail
Change source input
Pass
Check the input/output of IC1
Fail
Re-soldering or Change the defect part
Pass
Check the input/output of IC100,IC101
Fail
Re-soldering or Change the defect part
Pass
Check the speaker
Fail
Change speaker
Pass
Check the speaker wire

# BLOCK DIAGRAM



# BLOCK DIAGRAM DESCRIPTION

**1. Video controller unit and display data conversion unit**

The video controller unit receives the video signal inputted to the tuner, AV port (AV1, AV2, S-Video and component) and converts it to the analog RGB signal through the microcomputer (VCTI) combined with the video decoder that integrates various functions in one chip.

Then, it is inputted to the AD converter (AD9883) and generates the 4:4:4 format digital signal. This digital signal is inputted to the picture enhancer (FLI2300), which processes the video signal and converts the image quality enhanced data to an analog RGB signal again before displaying it.

The image quality enhanced de-interlace signal is inputted to the scaler (GM5221) and converted to the LVDS signal by the integrated LVDS IC before being sent to the LCD module.

VCTI is the main microcomputer that processes both video signals and sound signals. It also processes the RF signal received from the tuner.

The scaler enables to adjust timing on the LCD panel, as well as an adjustment of the size and position of the input signal.

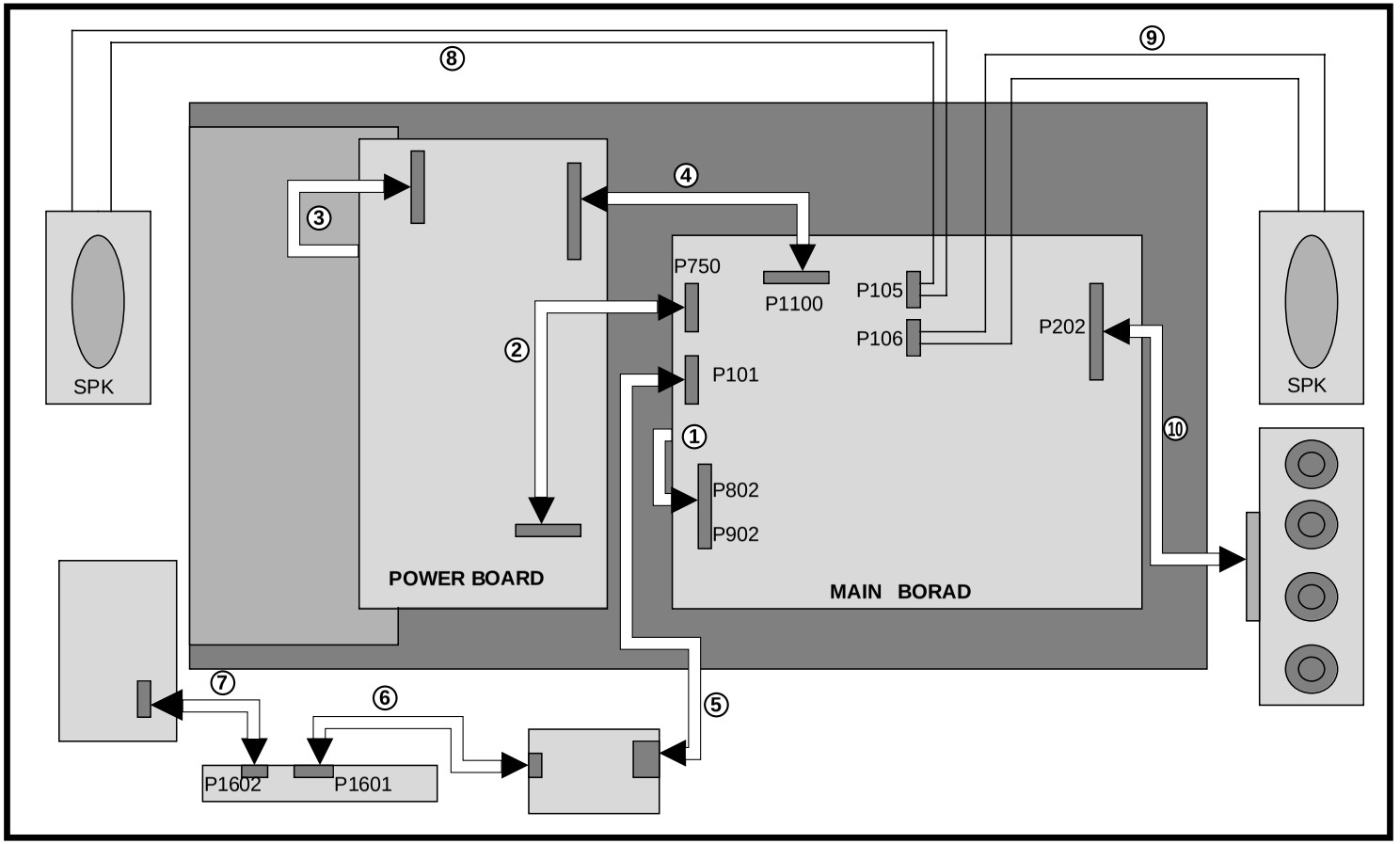
The graphic controller unit receives the PC (analog RGB) input and the DVI-D (digital signal), and sends the PC input to the scaler analog port and DVI-D input to the digital port.

The scaler receives two inputs and converts them to the LVDS signal before sending to the module.

**2. Power unit**

The power unit supplies 33V, 24V and 12V DC power to the main board. 33V DC power is used for the tuner, whereas 24V DC power is directly used by the inverter and the sound amplifier IC. 24V DC power is also used to generate 5V through the regulator. 12V DC power is used for the LCD panel.
5V DC is converted to 3.3V and 1.8V through the regulator, which supplies the necessary power to various ICs, such as VCTI, scaler, FLI2300 and AD9883.

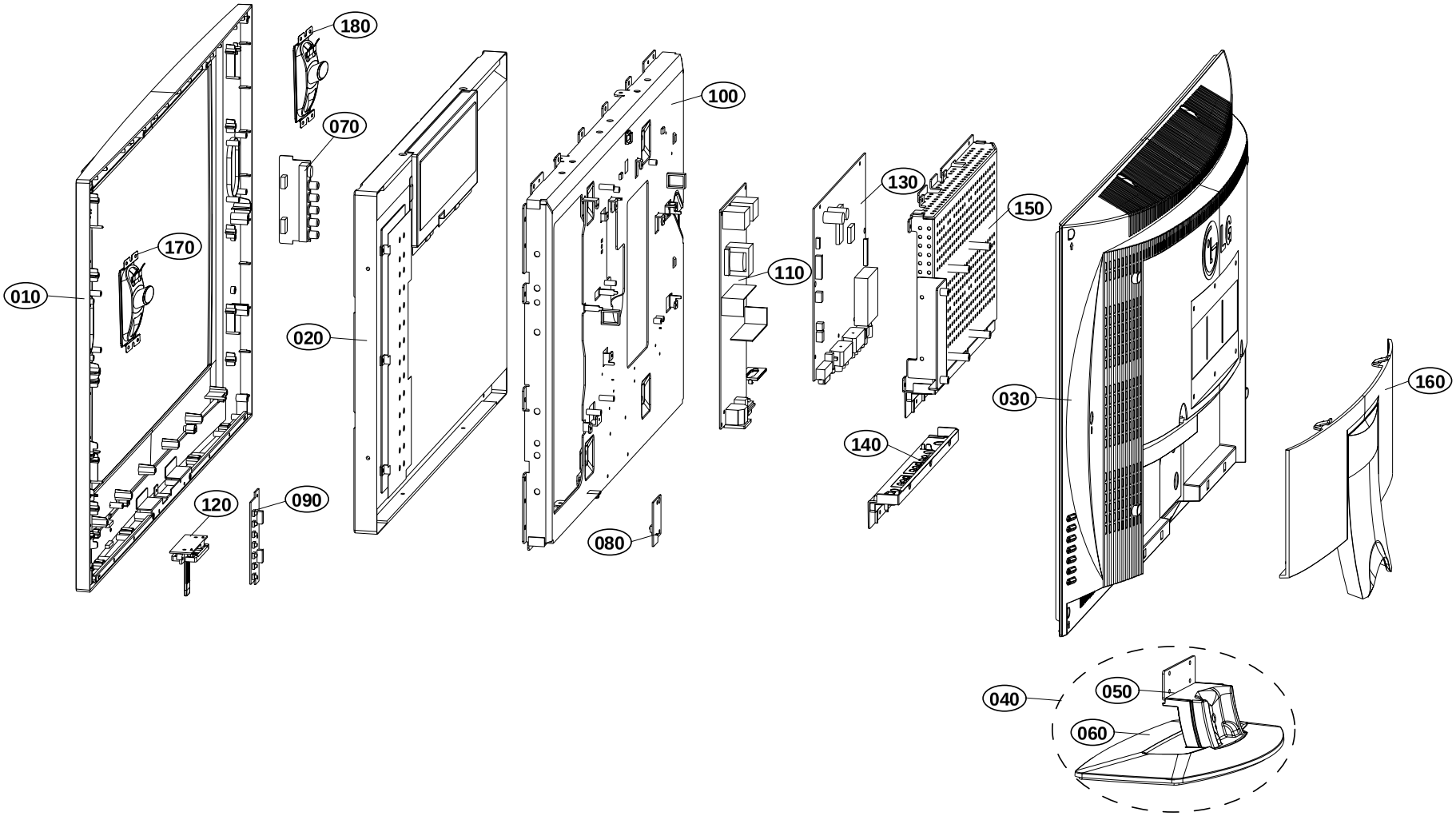
# WIRING DIAGRAM




**Wiring Part List**

| No. | Part No. |
|---|---|
| 1 | 6631T11020G |
| 2 | 6631T20033F |
| 3 | 6631T20032J |
| 4 | 6631T25019K |
| 5 | 6631T20023A |
| 6 | 6631T20033T |
| 7 | 6631T20033V |
| 8 | 6631T20029Z |
| 9 | 6631T20029Y |
| 10 | 6631T20033E |

# EXPLODED VIEW



# EXPLODED VIEW PARTS LIST

| No. | PART NO. | DESCRIPTION |
|---|---|---|
| 010 | 3091TKE017A | CABINET ASSEMBLY, RZ-23LZ50 BRAND 3090TKE010 LCD TV |
| | 3091TKE017E | CABINET ASSEMBLY, RT/RZ-23LZ50 BRAND..**(C/SKD)** |
| 020 | 6304FLP131A | LCD(LIQUID CRYSTAL DISPLAY), LC230W01-B2 LG PHILPS TFT COLOR WXGA,500NITS,EGI, LVDS |
| 030 | 3809TKE017E | BACK COVER ASSEMBLY, RZ-23LZ50 ALPLKRA NON |
| | 3809TKE017A | BACK COVER ASSEMBLY, RZ-23LZ50 3808TKE010 LCD TV |
| | 3809TKE017G | BACK COVER ASSEMBLY, RZ-23LZ50 EU **(C/SKD)** |
| 040 | 3043TKK180A | TILT SWIVEL ASSEMBLY, RZ-23LZ50 NON LCD TV |
| 050 | 4951TKK177A | HINGE 23LZ50, METAL ASSEMBLY |
| | 3043TKK221A | 23LZ50 TILT HINGE ASSY **SKD** |
| 060 | 4950TKK836A | BASE STAND, METAL |
| | 3043TKK220A | 23LZ50 BASE ASSY **SKD** |
| 070 | 6871TVT370A | PWB(PCB) ASSEMBLY, VIDEO, RZ-30LZ50 SIDE A/V SUB TOTAL BRAND . |
| 080 | 6871TST763A | PWB(PCB) ASSEMBLY, SUB, RZ/RT/RM-23LZ50 LED & P/SW TOTAL BRAND . |
| 090 | 6871TST630A | PWB(PCB) ASSEMBLY, SUB, RZ-23LZ50 KEY CONTROL TOTAL BRAND . |
| 100 | 4951TKS155A | METAL ASSEMBLY, FRAME MAIN RZ-23LZ50 |
| | 4951TKS155B | METAL ASSEMBLY, FRAME **C/SKD** LPL |
| 110 | 6871TPT287A | PWB(PCB) ASSEMBLY, POWER, RZ-23LZ50 POWER TOTAL BRAND AUTOBAHN 23" |
| 120 | 6871TST632A | PWB(PCB) ASSEMBLY, SUB, RZ-23LZ50 IR SUB TOTAL BRAND . |
| 130 | 3313TP2023A | MAIN TOTAL ASSEMBLY, RZ-23LZ50 LPL BRAND ML-041A |
| 140 | 3551TKK530A | COVER ASSEMBLY, RZ-23LZ50 REAR 4810TKK548 A/V ML-041A |
| 150 | 4951TKK174A | METAL ASSEMBLY, REAR SHIELD ML-041A RZ-23LZ50 |
| | 4951TKK174B | METAL ASSEMBLY, REAR **C/SKD** ML-041A RZ-23LZ50 |
| 160 | 3550TKK544A | COVER, 23LZ50 REAR REAL AV |
| 170 | 6401TZZ052A | SPEAKER ASSEMBLY, RZ-23/26/27LZ50 R 4P |
| 180 | 6401TZZ052B | SPEAKER ASSEMBLY, RZ-23/26/27LZ50 L 5P |

# REPLACEMENT PARTS LIST

| | | |
|---|---|---|
| For Capacitor & Resistors, the charactors at 2nd and 3rd digit in the P/No. means as follows; | CC, CX, CK, CN, CH : Ceramic<br>CQ : Polyestor<br>CE : Electrolytic<br>CF : Fixed Film | RD : Carbon Film<br>RS : Metal Oxide Film<br>RN : Metal Film<br>RH : CHIP, Metal Glazed(Chip)<br>RR : Drawing |

DATE: 2004. 06.18.

| *S | *AL | LOC. NO. | PART NO. | DESCRIPTION / SPECIFICATION |
|---|---|---|---|---|
| **MAIN BOARD** | | | | |
| **CAPACITOR** | | | | |
| | | C108 | 0CE476EK638 | 47UF KMG 50V M FM5 TP 5 |
| | | C1100 | 0CE106BF618 | 10UF KME 16V M FL TP5 |
| | | C1102 | 0CE107CK638 | "100UF SHL,SD 50V M FM5 TP 5" |
| | | C1112 | 0CE108EF618 | 1000UF KMG 16V M FL TP 5 |
| | | C1113 | 0CE108EF618 | 1000UF KMG 16V M FL TP 5 |
| | | C1114 | 0CE108EF618 | 1000UF KMG 16V M FL TP 5 |
| | | C1115 | 0CE108EF618 | 1000UF KMG 16V M FL TP 5 |
| | | C119 | 0CE106BF618 | 10UF KME 16V M FL TP5 |
| | | C120 | 0CE106BF618 | 10UF KME 16V M FL TP5 |
| | | C404 | 0CE227EJ638 | 220UF KMG 35V M FM5 TP 5 |
| | | C1015 | 0CH6680K416 | 68PF 50V J NP0 2012 R/TP |
| | | C1016 | 0CH6680K416 | 68PF 50V J NP0 2012 R/TP |
| | | C13 | 0CH6102K406 | 1000PF 50V J SL 2012 R/TP |
| | | C1303 | 0CH6101K416 | 100PF 50V J NP0 2012 R/TP |
| | | C1308 | 0CH6101K416 | 100PF 50V J NP0 2012 R/TP |
| | | C14 | 0CH6102K406 | 1000PF 50V J SL 2012 R/TP |
| | | C2 | 0CH6102K406 | 1000PF 50V J SL 2012 R/TP |
| | | C20 | 0CH6102K406 | 1000PF 50V J SL 2012 R/TP |
| | | C200 | 0CH6221K416 | 220PF 50V J NP0 2012 R/TP |
| | | C237 | 0CH6102K406 | 1000PF 50V J SL 2012 R/TP |
| | | C238 | 0CH6102K406 | 1000PF 50V J SL 2012 R/TP |
| | | C319 | 0CH6120K416 | 12PF 50V J NP0 2012 R/TP |
| | | C321 | 0CH6120K416 | 12PF 50V J NP0 2012 R/TP |
| | | C324 | 0CH6120K416 | 12PF 50V J NP0 2012 R/TP |
| | | C326 | 0CH6120K416 | 12PF 50V J NP0 2012 R/TP |
| | | C327 | 0CH6120K416 | 12PF 50V J NP0 2012 R/TP |
| | | C328 | 0CH6120K416 | 12PF 50V J NP0 2012 R/TP |
| | | C329 | 0CH6120K416 | 12PF 50V J NP0 2012 R/TP |
| | | C331 | 0CH6150K416 | 15PF 50V J NP0 2012 R/TP |
| | | C333 | 0CH6150K416 | 15PF 50V J NP0 2012 R/TP |
| | | C336 | 0CH6150K416 | 15PF 50V J NP0 2012 R/TP |
| | | C338 | 0CH6150K416 | 15PF 50V J NP0 2012 R/TP |
| | | C339 | 0CH6150K416 | 15PF 50V J NP0 2012 R/TP |
| | | C340 | 0CH6150K416 | 15PF 50V J NP0 2012 R/TP |
| | | C341 | 0CH6150K416 | 15PF 50V J NP0 2012 R/TP |
| | | C43 | 0CH6102K406 | 1000PF 50V J SL 2012 R/TP |
| | | C46 | 0CH6102K406 | 1000PF 50V J SL 2012 R/TP |
| | | C50 | 0CH6102K406 | 1000PF 50V J SL 2012 R/TP |
| | | C515 | 0CH6330K416 | 33PF 50V J NP0 2012 R/TP |
| | | C516 | 0CH6330K416 | 33PF 50V J NP0 2012 R/TP |
| | | C53 | 0CH6102K406 | 1000PF 50V J SL 2012 R/TP |
| | | C59 | 0CH6102K406 | 1000PF 50V J SL 2012 R/TP |
| | | C701 | 0CH6120K416 | 12PF 50V J NP0 2012 R/TP |
| | | C702 | 0CH6120K416 | 12PF 50V J NP0 2012 R/TP |
| | | C74 | 0CH6102K406 | 1000PF 50V J SL 2012 R/TP |
| | | C755 | 0CH6471K416 | 470F 50V J NP0 2012 R/TP |
| | | C756 | 0CH6471K416 | 470F 50V J NP0 2012 R/TP |
| | | C757 | 0CH6471K416 | 470F 50V J NP0 2012 R/TP |
| | | C758 | 0CH6101K416 | 100PF 50V J NP0 2012 R/TP |
| | | C83 | 0CH6102K406 | 1000PF 50V J SL 2012 R/TP |
| | | C86 | 0CH6102K406 | 1000PF 50V J SL 2012 R/TP |
| | | C924 | 0CH6050K116 | 5PF 50V D NP0 2012 R/TP |
| | | C925 | 0CH6050K116 | 5PF 50V D NP0 2012 R/TP |
| | | C129 | 181-007F | "MPE ECQ-V1H224JL3(TR), 50V 0." |

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| *S | *AL | LOC. NO. | PART NO. | DESCRIPTION / SPECIFICATION |
|---|---|---|---|---|
| | | C130 | 181-007F | "MPE ECQ-V1H224JL3(TR), 50V 0." |
| | | C1001 | 0CH3103K516 | 10000PF 50V 10% B(Y5P) 2012 R |
| | | C1002 | 0CH3103K516 | 10000PF 50V 10% B(Y5P) 2012 R |
| | | C1003 | 0CH3103K516 | 10000PF 50V 10% B(Y5P) 2012 R |
| | | C1004 | 0CH3103K516 | 10000PF 50V 10% B(Y5P) 2012 R |
| | | C1007 | 0CH3103K516 | 10000PF 50V 10% B(Y5P) 2012 R |
| | | C1010 | 0CK273DK51A | 27000PF 2012 50V 10% B(Y5P) R |
| | | C107 | 0CK225DFK4A | "2.2UF 2012 16V 20%,-20% F(Y5V" |
| | | C109 | 0CH3103K516 | 10000PF 50V 10% B(Y5P) 2012 R |
| | | C11 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C110 | 0CH3103K516 | 10000PF 50V 10% B(Y5P) 2012 R |
| | | C113 | 0CK225DFK4A | "2.2UF 2012 16V 20%,-20% F(Y5V" |
| | | C114 | 0CK225DFK4A | "2.2UF 2012 16V 20%,-20% F(Y5V" |
| | | C12 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C127 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C128 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C1300 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C1302 | 0CH3103K516 | 10000PF 50V 10% B(Y5P) 2012 R |
| | | C1305 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C1307 | 0CH3103K516 | 10000PF 50V 10% B(Y5P) 2012 R |
| | | C135 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C136 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C15 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C16 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C18 | 0CK106EF56A | 10UF 3216 16V 10% X7R R/TP |
| | | C19 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C23 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C3 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C306 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C318 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C4 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C42 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C44 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C45 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C49 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C500 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C505 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C506 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C507 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C508 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C509 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C51 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C510 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C511 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C512 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C513 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C514 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C517 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C518 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C519 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C521 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C522 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C523 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C526 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C527 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |

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| *S | *AL | LOC. NO. | PART NO. | DESCRIPTION / SPECIFICATION |
|---|---|---|---|---|
| | | C528 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C529 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C530 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C531 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C532 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C533 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C534 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C535 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C536 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C537 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C538 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C539 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C540 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C541 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C542 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C544 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C545 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C546 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C547 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C549 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C550 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C551 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C552 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C553 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C554 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C555 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C556 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C557 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C558 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C559 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C567 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C6 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C60 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C606 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C608 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C609 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C61 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C614 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C615 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C616 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C618 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C619 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C620 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C621 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C622 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C623 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C624 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C625 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C627 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C628 | 0CH3822K516 | 8200PF 2012 50V 10% B(Y5P) R/ |
| | | C629 | 0CH3823K516 | 82000PF 2012 50V 10% B(Y5P) R |
| | | C632 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C633 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C634 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C635 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C636 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C637 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C638 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C639 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C64 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C640 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C65 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |

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| *S | *AL | LOC. NO. | PART NO. | DESCRIPTION / SPECIFICATION |
|---|---|---|---|---|
| | | C66 | 0CK106EF56A | 10UF 3216 16V 10% X7R R/TP |
| | | C67 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C700 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C704 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C705 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C75 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C751 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C76 | 0CK106EF56A | 10UF 3216 16V 10% X7R R/TP |
| | | C760 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C761 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C77 | 0CK106EF56A | 10UF 3216 16V 10% X7R R/TP |
| | | C79 | 0CK106EF56A | 10UF 3216 16V 10% X7R R/TP |
| | | C80 | 0CK106EF56A | 10UF 3216 16V 10% X7R R/TP |
| | | C804 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C808 | 0CK105DK94A | "1UF 2012 50V 80%,-20% R/TP F(" |
| | | C809 | 0CK105DK94A | "1UF 2012 50V 80%,-20% R/TP F(" |
| | | C81 | 0CK106EF56A | 10UF 3216 16V 10% X7R R/TP |
| | | C810 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C811 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C812 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C813 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C82 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C84 | 0CK106EF56A | 10UF 3216 16V 10% X7R R/TP |
| | | C850 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C851 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C852 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C853 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C854 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C855 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C856 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C864 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C865 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C866 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C867 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C868 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C869 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C870 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C908 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C909 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C910 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C911 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C912 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C913 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C914 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C915 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C916 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C917 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C918 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C919 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C920 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C921 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C922 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C923 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C926 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C927 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C928 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C929 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C930 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C931 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C935 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C936 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C938 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |

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| *S | *AL | LOC. NO. | PART NO. | DESCRIPTION / SPECIFICATION |
|---|---|---|---|---|
| | | C939 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C940 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C941 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C942 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C943 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C944 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C945 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C946 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C947 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C948 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C949 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C950 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C951 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C952 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C958 | 0CK225DFK4A | "2.2UF 2012 16V 20%,-20% F(Y5V" |
| | | C96 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C960 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C963 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C969 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C970 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C973 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | C10 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C115 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C116 | 0CK562CK51A | 5600PF 1608 50V 10% R/TP B(Y5 |
| | | C117 | 0CK562CK51A | 5600PF 1608 50V 10% R/TP B(Y5 |
| | | C118 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C125 | 0CK105EK56A | 1UF 3216 50V 10% X7R R/TP |
| | | C126 | 0CK105EK56A | 1UF 3216 50V 10% X7R R/TP |
| | | C1301 | 0CK103CK51A | 0.01UF 1608 50V 10% R/TP B(Y5 |
| | | C1306 | 0CK103CK51A | 0.01UF 1608 50V 10% R/TP B(Y5 |
| | | C25 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C26 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C27 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C28 | 0CK334CF94A | "0.33UF 1608 16V 80%,-20% F(Y5" |
| | | C29 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C30 | 0CK334CF94A | "0.33UF 1608 16V 80%,-20% F(Y5" |
| | | C31 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C32 | 0CK334CF94A | "0.33UF 1608 16V 80%,-20% F(Y5" |
| | | C33 | 0CK334CF94A | "0.33UF 1608 16V 80%,-20% F(Y5" |
| | | C34 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C35 | 0CK334CF94A | "0.33UF 1608 16V 80%,-20% F(Y5" |
| | | C36 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C37 | 0CK334CF94A | "0.33UF 1608 16V 80%,-20% F(Y5" |
| | | C38 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C39 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C40 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C41 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C504 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C524 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C611 | 0CK473CK56A | 47000PF 1608 50V 10% R/TP X7R |
| | | C612 | 0CK473CK56A | 47000PF 1608 50V 10% R/TP X7R |
| | | C613 | 0CK473CK56A | 47000PF 1608 50V 10% R/TP X7R |
| | | C626 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C7 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C70 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C71 | 0CK106EF56A | 10UF 3216 16V 10% X7R R/TP |
| | | C72 | 0CK106EF56A | 10UF 3216 16V 10% X7R R/TP |
| | | C73 | 0CK106EF56A | 10UF 3216 16V 10% X7R R/TP |
| | | C750 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C752 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C753 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C759 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |

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|---|---|---|---|---|
| | | C78 | 0CK106EF56A | 10UF 3216 16V 10% X7R R/TP |
| | | C8 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C800 | 0CK105CF94A | "1UF 1608 16V 80%,-20% R/TP F(" |
| | | C801 | 0CK105CF94A | "1UF 1608 16V 80%,-20% R/TP F(" |
| | | C802 | 0CK105CF94A | "1UF 1608 16V 80%,-20% R/TP F(" |
| | | C803 | 0CK105CF94A | "1UF 1608 16V 80%,-20% R/TP F(" |
| | | C9 | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R |
| | | C901 | 0CK103CK51A | 0.01UF 1608 50V 10% R/TP B(Y5 |
| | | C902 | 0CK103CK51A | 0.01UF 1608 50V 10% R/TP B(Y5 |
| | | C903 | 0CK103CK51A | 0.01UF 1608 50V 10% R/TP B(Y5 |
| | | C904 | 0CK103CK51A | 0.01UF 1608 50V 10% R/TP B(Y5 |
| | | C905 | 0CK103CK51A | 0.01UF 1608 50V 10% R/TP B(Y5 |
| | | C906 | 0CK103CK51A | 0.01UF 1608 50V 10% R/TP B(Y5 |
| | | C907 | 0CK103CK51A | 0.01UF 1608 50V 10% R/TP B(Y5 |
| | | C352 | 0CC270DK41A | 27PF 2012 50V 5% NP0 R/TP |
| | | C121 | 0CC100CK41A | 10PF 1608 50V 5% R/TP NP0 |
| | | C122 | 0CC100CK41A | 10PF 1608 50V 5% R/TP NP0 |
| | | C202 | 0CC101CK41A | 100PF 1608 50V 5% R/TP NP0 |
| | | C203 | 0CC221CK41A | 220PF 1608 50V 5% R/TP NP0 |
| | | C204 | 0CC471CK41A | 470PF 1608 50V 5% R/TP NP0 |
| | | C205 | 0CC471CK41A | 470PF 1608 50V 5% R/TP NP0 |
| | | C207 | 0CC102CK41A | 1000PF 1608 50V 5% R/TP NP0 |
| | | C209 | 0CC101CK41A | 100PF 1608 50V 5% R/TP NP0 |
| | | C21 | 0CC102CK41A | 1000PF 1608 50V 5% R/TP NP0 |
| | | C210 | 0CC101CK41A | 100PF 1608 50V 5% R/TP NP0 |
| | | C211 | 0CC102CK41A | 1000PF 1608 50V 5% R/TP NP0 |
| | | C214 | 0CC101CK41A | 100PF 1608 50V 5% R/TP NP0 |
| | | C217 | 0CC471CK41A | 470PF 1608 50V 5% R/TP NP0 |
| | | C218 | 0CC471CK41A | 470PF 1608 50V 5% R/TP NP0 |
| | | C22 | 0CC102CK41A | 1000PF 1608 50V 5% R/TP NP0 |
| | | C220 | 0CC102CK41A | 1000PF 1608 50V 5% R/TP NP0 |
| | | C222 | 0CC102CK41A | 1000PF 1608 50V 5% R/TP NP0 |
| | | C223 | 0CC101CK41A | 100PF 1608 50V 5% R/TP NP0 |
| | | C224 | 0CC101CK41A | 100PF 1608 50V 5% R/TP NP0 |
| | | C24 | 0CC102CK41A | 1000PF 1608 50V 5% R/TP NP0 |
| | | C343 | 0CC270CK41A | 27PF 1608 50V 5% R/TP NP0 |
| | | C345 | 0CC270CK41A | 27PF 1608 50V 5% R/TP NP0 |
| | | C348 | 0CC270CK41A | 27PF 1608 50V 5% R/TP NP0 |
| | | C350 | 0CC270CK41A | 27PF 1608 50V 5% R/TP NP0 |
| | | C351 | 0CC270CK41A | 27PF 1608 50V 5% R/TP NP0 |
| | | C353 | 0CC270CK41A | 27PF 1608 50V 5% R/TP NP0 |
| | | C47 | 0CC220CK41A | 22PF 1608 50V 5% R/TP NP0 |
| | | C48 | 0CC220CK41A | 22PF 1608 50V 5% R/TP NP0 |
| | | C501 | 0CC101CK41A | 100PF 1608 50V 5% R/TP NP0 |
| | | C600 | 0CC220CK41A | 22PF 1608 50V 5% R/TP NP0 |
| | | C601 | 0CC220CK41A | 22PF 1608 50V 5% R/TP NP0 |
| | | C602 | 0CC220CK41A | 22PF 1608 50V 5% R/TP NP0 |
| | | C603 | 0CC220CK41A | 22PF 1608 50V 5% R/TP NP0 |
| | | C610 | 0CC102CK41A | 1000PF 1608 50V 5% R/TP NP0 |
| | | C754 | 0CC471CK41A | 470PF 1608 50V 5% R/TP NP0 |
| | | C85 | 0CC102CK41A | 1000PF 1608 50V 5% R/TP NP0 |
| | | C111 | 0CE475EK638 | 4.7UF KMG 50V 20% FM5 TP 5 |
| | | C112 | 0CE475EK638 | 4.7UF KMG 50V 20% FM5 TP 5 |
| | | C1202 | 0CE477EJ618 | 470UF KMG 35V 20% FL TP 5 |
| | | C123 | 0CE477EJ618 | 470UF KMG 35V 20% FL TP 5 |
| | | C124 | 0CE477EJ618 | 470UF KMG 35V 20% FL TP 5 |
| | | C1299 | 0CE477EJ618 | 470UF KMG 35V 20% FL TP 5 |
| | | C1304 | 0CE477EJ618 | 470UF KMG 35V 20% FL TP 5 |
| | | C131 | 0CE477EJ618 | 470UF KMG 35V 20% FL TP 5 |
| | | C132 | 0CE477EJ618 | 470UF KMG 35V 20% FL TP 5 |
| | | C133 | 0CE477EJ618 | 470UF KMG 35V 20% FL TP 5 |
| | | C134 | 0CE477EJ618 | 470UF KMG 35V 20% FL TP 5 |

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|---|---|---|---|---|
| | | C100 | 0CH8476F691 | 47UF 16V 20% 105STD (CYL) R/T |
| | | C1006 | 0CH8106J691 | 10UF 35V 20% 105STD (CYL) R/T |
| | | C1008 | 0CE227WF6DC | 220UF MVK 16V 20% R/TP(SMD) S |
| | | C17 | 0CH8106J691 | 10UF 35V 20% 105STD (CYL) R/T |
| | | C206 | 0CH8226F691 | 22UF 16V 20% 105STD (CYL) R/T |
| | | C208 | 0CH8226F691 | 22UF 16V 20% 105STD (CYL) R/T |
| | | C219 | 0CH8226F691 | 22UF 16V 20% 105STD (CYL) R/T |
| | | C221 | 0CH8226F691 | 22UF 16V 20% 105STD (CYL) R/T |
| | | C225 | 0CH8106J691 | 10UF 35V 20% 105STD (CYL) R/T |
| | | C226 | 0CH8106J691 | 10UF 35V 20% 105STD (CYL) R/T |
| | | C227 | 0CH8106J691 | 10UF 35V 20% 105STD (CYL) R/T |
| | | C228 | 0CH8106J691 | 10UF 35V 20% 105STD (CYL) R/T |
| | | C231 | 0CH8106J691 | 10UF 35V 20% 105STD (CYL) R/T |
| | | C232 | 0CH8106J691 | 10UF 35V 20% 105STD (CYL) R/T |
| | | C235 | 0CE107WF6DC | 100UF MVK 16V 20% R/TP(SMD) S |
| | | C236 | 0CE107WF6DC | 100UF MVK 16V 20% R/TP(SMD) S |
| | | C300 | 0CE107WF6DC | 100UF MVK 16V 20% R/TP(SMD) S |
| | | C301 | 0CE107WF6DC | 100UF MVK 16V 20% R/TP(SMD) S |
| | | C302 | 0CH8106F691 | 10UF 16V 20% 105STD (CYL) R/T |
| | | C303 | 0CH8106F691 | 10UF 16V 20% 105STD (CYL) R/T |
| | | C304 | 0CH8106F691 | 10UF 16V 20% 105STD (CYL) R/T |
| | | C307 | 0CH8106F691 | 10UF 16V 20% 105STD (CYL) R/T |
| | | C308 | 0CH8476H691 | 47UF 25V 20% 105STD (CYL) R/T |
| | | C309 | 0CH8106F691 | 10UF 16V 20% 105STD (CYL) R/T |
| | | C312 | 0CH8106F691 | 10UF 16V 20% 105STD (CYL) R/T |
| | | C313 | 0CH8476H691 | 47UF 25V 20% 105STD (CYL) R/T |
| | | C314 | 0CH8106F691 | 10UF 16V 20% 105STD (CYL) R/T |
| | | C315 | 0CH8106F691 | 10UF 16V 20% 105STD (CYL) R/T |
| | | C316 | 0CH8106F691 | 10UF 16V 20% 105STD (CYL) R/T |
| | | C317 | 0CH8106F691 | 10UF 16V 20% 105STD (CYL) R/T |
| | | C5 | 0CE475WJ6DC | 4.7UF MVK 35V 20% R/TP(SMD) S |
| | | C502 | 0CH8476F691 | 47UF 16V 20% 105STD (CYL) R/T |
| | | C503 | 0CH8476F691 | 47UF 16V 20% 105STD (CYL) R/T |
| | | C52 | 0CH8476F691 | 47UF 16V 20% 105STD (CYL) R/T |
| | | C520 | 0CH8106F691 | 10UF 16V 20% 105STD (CYL) R/T |
| | | C525 | 0CH8106F691 | 10UF 16V 20% 105STD (CYL) R/T |
| | | C54 | 0CH8476F691 | 47UF 16V 20% 105STD (CYL) R/T |
| | | C543 | 0CH8476F691 | 47UF 16V 20% 105STD (CYL) R/T |
| | | C55 | 0CH8476H691 | 47UF 25V 20% 105STD (CYL) R/T |
| | | C560 | 0CH8476F691 | 47UF 16V 20% 105STD (CYL) R/T |
| | | C566 | 0CH8476F691 | 47UF 16V 20% 105STD (CYL) R/T |
| | | C604 | 0CH8476F691 | 47UF 16V 20% 105STD (CYL) R/T |
| | | C605 | 0CH8476F691 | 47UF 16V 20% 105STD (CYL) R/T |
| | | C607 | 0CH8476F691 | 47UF 16V 20% 105STD (CYL) R/T |
| | | C62 | 0CH8476F691 | 47UF 16V 20% 105STD (CYL) R/T |
| | | C63 | 0CH8476F691 | 47UF 16V 20% 105STD (CYL) R/T |
| | | C703 | 0CE107WF6DC | 100UF MVK 16V 20% R/TP(SMD) S |
| | | C805 | 0CE227WF6DC | 220UF MVK 16V 20% R/TP(SMD) S |
| | | C806 | 0CE227WF6DC | 220UF MVK 16V 20% R/TP(SMD) S |
| | | C807 | 0CE227WF6DC | 220UF MVK 16V 20% R/TP(SMD) S |
| | | C814 | 0CE227WF6DC | 220UF MVK 16V 20% R/TP(SMD) S |
| | | C815 | 0CH8476F691 | 47UF 16V 20% 105STD (CYL) R/T |
| | | C857 | 0CE227WF6DC | 220UF MVK 16V 20% R/TP(SMD) S |
| | | C858 | 0CH8476F691 | 47UF 16V 20% 105STD (CYL) R/T |
| | | C859 | 0CH8476F691 | 47UF 16V 20% 105STD (CYL) R/T |
| | | C860 | 0CH8476F691 | 47UF 16V 20% 105STD (CYL) R/T |
| | | C861 | 0CH8476F691 | 47UF 16V 20% 105STD (CYL) R/T |
| | | C862 | 0CH8476F691 | 47UF 16V 20% 105STD (CYL) R/T |
| | | C863 | 0CH8476F691 | 47UF 16V 20% 105STD (CYL) R/T |
| | | C87 | 0CH8476F691 | 47UF 16V 20% 105STD (CYL) R/T |
| | | C88 | 0CH8476H691 | 47UF 25V 20% 105STD (CYL) R/T |
| | | C900 | 0CH8476F691 | 47UF 16V 20% 105STD (CYL) R/T |

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|---|---|---|---|---|
| | | C953 | 0CH8476F691 | 47UF 16V 20% 105STD (CYL) R/T |
| | | C956 | 0CH8476H691 | 47UF 25V 20% 105STD (CYL) R/T |
| | | C957 | 0CH8476F691 | 47UF 16V 20% 105STD (CYL) R/T |
| | | C959 | 0CH8476F691 | 47UF 16V 20% 105STD (CYL) R/T |
| | | C97 | 0CH8476H691 | 47UF 25V 20% 105STD (CYL) R/T |
| | | C972 | 0CH8476H691 | 47UF 25V 20% 105STD (CYL) R/T |
| **DIODEs** | | | | |
| | | D100 | 0DRFC00288A | SS14 FAIR CHILD R/TP SMA 20-1 |
| | | D101 | 0DRFC00288A | SS14 FAIR CHILD R/TP SMA 20-1 |
| | | IC751 | 0DRSE00018A | SRV05-4.TC SEMTECH R/TP SOT23 |
| | | IC754 | 0DRSE00018A | SRV05-4.TC SEMTECH R/TP SOT23 |
| | | ZD1300 | 0DR340009AA | MBRS340 TP FAIRCHILD NON 40V |
| | | ZD1301 | 0DR340009AA | MBRS340 TP FAIRCHILD NON 40V |
| | | D107 | 0DS226009AA | KDS226 TP KEC SOT-23 80V 300 |
| | | D711 | 0DD184009AA | KDS184 TP KEC - 85V - - - 300 |
| | | D102 | 0DS181009AA | KDS181 TP KEC SOT-23 80V 30 |
| | | D103 | 0DS181009AA | KDS181 TP KEC SOT-23 80V 30 |
| | | D104 | 0DZ620009HB | UDZ S 6.2B TP ROHM SOD323 200 |
| | | D105 | 0DZ620009HB | UDZ S 6.2B TP ROHM SOD323 200 |
| | | D703 | 0DZ510009EE | UDZ S 5.1B TP ROHM-K SOD323 2 |
| | | D704 | 0DZ510009EE | UDZ S 5.1B TP ROHM-K SOD323 2 |
| | | ZD201 | 0DZ510009EE | UDZ S 5.1B TP ROHM-K SOD323 2 |
| | | ZD202 | 0DZ510009EE | UDZ S 5.1B TP ROHM-K SOD323 2 |
| | | ZD215 | 0DZ510009EE | UDZ S 5.1B TP ROHM-K SOD323 2 |
| | | ZD216 | 0DZ510009EE | UDZ S 5.1B TP ROHM-K SOD323 2 |
| | | ZD217 | 0DZ510009EE | UDZ S 5.1B TP ROHM-K SOD323 2 |
| | | ZD218 | 0DZ510009EE | UDZ S 5.1B TP ROHM-K SOD323 2 |
| | | ZD219 | 0DZ510009EE | UDZ S 5.1B TP ROHM-K SOD323 2 |
| | | ZD220 | 0DZ510009EE | UDZ S 5.1B TP ROHM-K SOD323 2 |
| | | D700 | 0DZ510009EE | UDZ S 5.1B TP ROHM-K SOD323 2 |
| | | D701 | 0DZ510009EE | UDZ S 5.1B TP ROHM-K SOD323 2 |
| | | D702 | 0DZ510009EE | UDZ S 5.1B TP ROHM-K SOD323 2 |
| | | D705 | 0DZ510009EE | UDZ S 5.1B TP ROHM-K SOD323 2 |
| | | D706 | 0DZ510009EE | UDZ S 5.1B TP ROHM-K SOD323 2 |
| | | ZD203 | 0DZ510009EE | UDZ S 5.1B TP ROHM-K SOD323 2 |
| | | ZD204 | 0DZ510009EE | UDZ S 5.1B TP ROHM-K SOD323 2 |
| | | ZD205 | 0DZ510009EE | UDZ S 5.1B TP ROHM-K SOD323 2 |
| | | ZD206 | 0DZ510009EE | UDZ S 5.1B TP ROHM-K SOD323 2 |
| | | ZD207 | 0DZ510009EE | UDZ S 5.1B TP ROHM-K SOD323 2 |
| | | ZD208 | 0DZ510009EE | UDZ S 5.1B TP ROHM-K SOD323 2 |
| | | ZD210 | 0DZ510009EE | UDZ S 5.1B TP ROHM-K SOD323 2 |
| | | ZD213 | 0DZ510009EE | UDZ S 5.1B TP ROHM-K SOD323 2 |
| | | ZD214 | 0DZ510009EE | UDZ S 5.1B TP ROHM-K SOD323 2 |
| | | ZD221 | 0DZ510009EE | UDZ S 5.1B TP ROHM-K SOD323 2 |
| | | ZD851 | 0DZ510009EE | UDZ S 5.1B TP ROHM-K SOD323 2 |
| | | ZD852 | 0DZ510009EE | UDZ S 5.1B TP ROHM-K SOD323 2 |
| | | ZD1000 | 0DZ330009DF | MTZJ33B TP ROHM-K DO34 0.5W 3 |
| | | ZD10 | 0DZ910009FE | UDZS 9.1B TP ROHM - - 9.1V - |
| **IC** | | | | |
| | | IC3 | 0IKE702700D | "KIA7027AF 3, SOT-89 TP RESET" |
| | | IC200 | 0ISA722200A | LA7222 (1280 AUDIO) - - - - |
| | | IC501 | 0IMMREB010A | "M12L64322A-6T ESMT 86P,TSOP T" |
| | | IC749 | 0IMMRSG036A | "M24C02-WMN6T SGS-THOMSON 8P,S" |
| | | IC753 | 0IMMRSG036A | "M24C02-WMN6T SGS-THOMSON 8P,S" |
| | | IC907 | 0IMCRAL006A | AT24C16AN-10SI-2.7 ATMEL 8P S |
| | | IC918 | 0IMCRAL006A | AT24C16AN-10SI-2.7 ATMEL 8P S |
| | | IC100 | 0IMCRMZ002A | MP7720 MONOLITHIC POWER SYSTE |
| | | IC101 | 0IMCRMZ002A | MP7720 MONOLITHIC POWER SYSTE |

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|---|---|---|---|---|
| | | IC1300 | 0IMCRMZ001A | MP1583DN MONOLITHIC POWER SYS |
| | | IC1301 | 0IMCRMZ001A | MP1583DN MONOLITHIC POWER SYS |
| | | IC500 | 0IMCRGN002C | FLI2300BD GENESIS 208P PQFP T |
| | | IC750 | 0IMCRSG010A | ST3232CDR SGS-THOMSON SOP16 R |
| | | IC850 | 0IMCRMI006A | "M52758FP MITSUBISHI 36PIN, R/" |
| | | IC702 | 0IMO140662A | "MC14066BDR2 14P,SOIC TP BILAT" |
| | | IC1 | 0IPRPMN003C | VCT49XYF C7(NTSC+PAL) MICRONA |
| | | IC600 | 0IPRPM3002B | "MST9883C-110 MSTAR 80P,LQFP T" |
| | | IC800 | 0IPRPNP001A | "SM5301BS(ATSC DTV) NPC 28P,HS" |
| | | IC901 | 0IPRPGN014A | GM5221H(HDCP) GENESIS 208P QF |
| | | IC2 | 0IPMGK2001B | AIC1117A-33CYTR(BS33) AIC SOT |
| | | IC300 | 0IPMGKE039A | "KIA78D09F KEC 3P,DPAK R/TP 9V" |
| | | IC4 | 0IPMGK2001B | AIC1117A-33CYTR(BS33) AIC SOT |
| | | IC505 | 0IPMGSG018D | "LD1086DT18TR SGS-THOMSON 3P,D" |
| | | IC6 | 0IPMGSG018D | "LD1086DT18TR SGS-THOMSON 3P,D" |
| | | IC601 | 0IPMGK2001B | AIC1117A-33CYTR(BS33) AIC SOT |
| | | IC604 | 0IPMGFA061A | "FAN1587AD33X FAIRCHILD 3P,DPA" |
| | | IC8 | 0IMCRFA015A | KA7805R FAIRCHILD 2P D-PAK R/ |
| | | IC905 | 0IPMGFA061A | "FAN1587AD33X FAIRCHILD 3P,DPA" |
| | | IC906 | 0IPMGSG018D | "LD1086DT18TR SGS-THOMSON 3P,D" |
| | | IC103 | 0ISS780800J | "KA78M08R 3P,D-PAK TP VOL. REG" |
| | | IC752 | 0IMCRTI001A | SN74HCT157D TEXAS INSTRUMENT |
| **COIL & CORE & INDUCTOR** | | | | |
| | | L104 | 6140TBZ045A | "38.5UH(DIP), 6A, P7.5, DR8.3X" |
| | | L105 | 6140TBZ045A | "38.5UH(DIP), 6A, P7.5, DR8.3X" |
| | | L1300 | 6140VR0008B | SLF12575T-150M3R2 15UH SMD C |
| | | L1301 | 6140VR0008B | SLF12575T-150M3R2 15UH SMD C |
| | | L100 | 6210TCE001G | HH-1M3216-501 CERATEC 3216MM |
| | | L1002 | 6210TCE001G | HH-1M3216-501 CERATEC 3216MM |
| | | L3 | 6210TCE001G | HH-1M3216-501 CERATEC 3216MM |
| | | L301 | 6210TCE001A | HB-1S2012-080JT CERATEC 2012M |
| | | L302 | 6210TCE001A | HB-1S2012-080JT CERATEC 2012M |
| | | L304 | 6210TCE001G | HH-1M3216-501 CERATEC 3216MM |
| | | L311 | 6210TCE001G | HH-1M3216-501 CERATEC 3216MM |
| | | L4 | 6210TCE001G | HH-1M3216-501 CERATEC 3216MM |
| | | L401 | 6210TCE001G | HH-1M3216-501 CERATEC 3216MM |
| | | L500 | 6210TCE001G | HH-1M3216-501 CERATEC 3216MM |
| | | L501 | 6210TCE001G | HH-1M3216-501 CERATEC 3216MM |
| | | L502 | 6210TCE001G | HH-1M3216-501 CERATEC 3216MM |
| | | L503 | 6210TCE001G | HH-1M3216-501 CERATEC 3216MM |
| | | L504 | 6210TCE001G | HH-1M3216-501 CERATEC 3216MM |
| | | L505 | 6210TCE001G | HH-1M3216-501 CERATEC 3216MM |
| | | L600 | 6210TCE001G | HH-1M3216-501 CERATEC 3216MM |
| | | L601 | 6210TCE001G | HH-1M3216-501 CERATEC 3216MM |
| | | L602 | 6210TCE001G | HH-1M3216-501 CERATEC 3216MM |
| | | L701 | 6210TCE001G | HH-1M3216-501 CERATEC 3216MM |
| | | L800 | 6210TCE001G | HH-1M3216-501 CERATEC 3216MM |
| | | L850 | 6210TCE001G | HH-1M3216-501 CERATEC 3216MM |
| | | L900 | 6210TCE001G | HH-1M3216-501 CERATEC 3216MM |
| | | L901 | 6210TCE001G | HH-1M3216-501 CERATEC 3216MM |
| | | L902 | 6210TCE001G | HH-1M3216-501 CERATEC 3216MM |
| | | L903 | 6210TCE001G | HH-1M3216-501 CERATEC 3216MM |
| | | L907 | 6210TCE001G | HH-1M3216-501 CERATEC 3216MM |
| | | L202 | 6210TCE001A | HB-1S2012-080JT CERATEC 2012M |
| | | L203 | 6210TCE001A | HB-1S2012-080JT CERATEC 2012M |
| | | L204 | 6210TCE001A | HB-1S2012-080JT CERATEC 2012M |
| | | L205 | 6210TCE001A | HB-1S2012-080JT CERATEC 2012M |
| | | L207 | 6210TCE001A | HB-1S2012-080JT CERATEC 2012M |
| | | L208 | 6210TCE001A | HB-1S2012-080JT CERATEC 2012M |
| | | L209 | 6210TCE001A | HB-1S2012-080JT CERATEC 2012M |

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|---|---|---|---|---|
| | | L210 | 6210TCE001A | HB-1S2012-080JT CERATEC 2012M |
| | | L603 | 6210TCE001A | HB-1S2012-080JT CERATEC 2012M |
| | | L1 | 0LC1032101A | 10UH 10% 3216 R/TC FI-C3216-1 |
| | | L1001 | 0LC1020101A | 1UH 10% 2012 R/TC FI-B2012-10 |
| | | L11 | 0LC1032101A | 10UH 10% 3216 R/TC FI-C3216-1 |
| | | L13 | 0LC1032101A | 10UH 10% 3216 R/TC FI-C3216-1 |
| | | L14 | 0LC1032101A | 10UH 10% 3216 R/TC FI-C3216-1 |
| | | L15 | 0LC1032101A | 10UH 10% 3216 R/TC FI-C3216-1 |
| | | L17 | 0LC1032101A | 10UH 10% 3216 R/TC FI-C3216-1 |
| | | L2 | 0LC1032101A | 10UH 10% 3216 R/TC FI-C3216-1 |
| | | L402 | 0LC1532101A | 15UH 10% 3216 R/TC FI-C3216-1 |
| | | L403 | 0LC1532101A | 15UH 10% 3216 R/TC FI-C3216-1 |
| | | L7 | 0LC1032101A | 10UH 10% 3216 R/TC FI-C3216-1 |
| | | L10 | 0LC1032101A | 10UH 10% 3216 R/TC FI-C3216-1 |
| | | L12 | 0LC1032101A | 10UH 10% 3216 R/TC FI-C3216-1 |
| | | L16 | 0LC1032101A | 10UH 10% 3216 R/TC FI-C3216-1 |
| | | L200 | 0LC1020101A | 1UH 10% 2012 R/TC FI-B2012-10 |
| | | L201 | 0LC1020101A | 1UH 10% 2012 R/TC FI-B2012-10 |
| | | L306 | 0LC1532101A | 15UH 10% 3216 R/TC FI-C3216-1 |
| | | L307 | 0LC1532101A | 15UH 10% 3216 R/TC FI-C3216-1 |
| | | L308 | 0LC1532101A | 15UH 10% 3216 R/TC FI-C3216-1 |
| | | L309 | 0LC1532101A | 15UH 10% 3216 R/TC FI-C3216-1 |
| | | L310 | 0LC1532101A | 15UH 10% 3216 R/TC FI-C3216-1 |
| | | L8 | 0LC1032101A | 10UH 10% 3216 R/TC FI-C3216-1 |
| | | L9 | 0LC1032101A | 10UH 10% 3216 R/TC FI-C3216-1 |
| **FET & TRANSISTOR** | | | | |
| | | IC1101 | 0TF492509AA | SI4925DY TP TEMIC 30V 6.1A S |
| | | IC902 | 0TF492509AA | SI4925DY TP TEMIC 30V 6.1A S |
| | | Q1000 | 0TR388109AA | KTC3881 CHIP TP KEC - - |
| | | Q1101 | 0TR387500AA | CHIP 2SC3875S(ALY) BK KEC - - |
| | | Q1102 | 0TR387500AA | CHIP 2SC3875S(ALY) BK KEC - - |
| | | Q212 | 0TR387500AA | CHIP 2SC3875S(ALY) BK KEC - - |
| | | Q300 | 0TR387500AA | CHIP 2SC3875S(ALY) BK KEC - - |
| | | Q302 | 0TR387500AA | CHIP 2SC3875S(ALY) BK KEC - - |
| | | Q303 | 0TR387500AA | CHIP 2SC3875S(ALY) BK KEC - - |
| | | Q304 | 0TR387500AA | CHIP 2SC3875S(ALY) BK KEC - - |
| | | Q318 | 0TR387500AA | CHIP 2SC3875S(ALY) BK KEC - - |
| | | Q701 | 0TR387500AA | CHIP 2SC3875S(ALY) BK KEC - - |
| | | Q100 | 0TR387500AA | CHIP 2SC3875S(ALY) BK KEC - - |
| | | Q101 | 0TR150400BA | CHIP 2SA1504S(ASY) BK KEC - - |
| | | Q12 | 0TR150400BA | CHIP 2SA1504S(ASY) BK KEC - - |
| | | Q13 | 0TR150400BA | CHIP 2SA1504S(ASY) BK KEC - - |
| | | Q14 | 0TR150400BA | CHIP 2SA1504S(ASY) BK KEC - - |
| | | Q15 | 0TR387500AA | CHIP 2SC3875S(ALY) BK KEC - - |
| | | Q16 | 0TR387500AA | CHIP 2SC3875S(ALY) BK KEC - - |
| | | Q17 | 0TR387500AA | CHIP 2SC3875S(ALY) BK KEC - - |
| | | Q301 | 0TR387500AA | CHIP 2SC3875S(ALY) BK KEC - - |
| | | Q305 | 0TR150400BA | CHIP 2SA1504S(ASY) BK KEC - - |
| | | Q306 | 0TR150400BA | CHIP 2SA1504S(ASY) BK KEC - - |
| | | Q308 | 0TR387500AA | CHIP 2SC3875S(ALY) BK KEC - - |
| | | Q310 | 0TR387500AA | CHIP 2SC3875S(ALY) BK KEC - - |
| | | Q313 | 0TR387500AA | CHIP 2SC3875S(ALY) BK KEC - - |
| | | Q315 | 0TR387500AA | CHIP 2SC3875S(ALY) BK KEC - - |
| | | Q316 | 0TR387500AA | CHIP 2SC3875S(ALY) BK KEC - - |
| | | Q317 | 0TR387500AA | CHIP 2SC3875S(ALY) BK KEC - - |
| | | Q500 | 0TR387500AA | CHIP 2SC3875S(ALY) BK KEC - - |
| | | Q901 | 0TR387500AA | CHIP 2SC3875S(ALY) BK KEC - - |

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| *S | *AL | LOC. NO. | PART NO. | DESCRIPTION / SPECIFICATION |
|---|---|---|---|---|
| | | **RESISTORs** | | |
| | | R10 | 0RH3301D622 | 3.3K 1/10W 5 D.R/TP |
| | | R1001 | 0RH0562D622 | 56 1/10W 5 D.R/TP |
| | | R1003 | 0RH8200D622 | 820 1/10W 5 D.R/TP |
| | | R1004 | 0RH3000D622 | 300 1/10W 5 D.R/TP |
| | | R1005 | 0RH0682D622 | 68 1/10W 5 D.R/TP |
| | | R1010 | 0RH7501D622 | 7.5K 1/10W 5 D.R/TP |
| | | R1012 | 0RH7502D622 | 75K 1/10W 5 D.R/TP |
| | | R1014 | 0RH1000D622 | 100 1/10W 5 D.R/TP |
| | | R104 | 0RH1000D622 | 100 1/10W 5 D.R/TP |
| | | R106 | 0RH1500D622 | 150 1/10W 5 D.R/TP |
| | | R107 | 0RH1503D622 | 150K 1/10W 5 D.R/TP |
| | | R11 | 0RH3301D622 | 3.3K 1/10W 5 D.R/TP |
| | | R1100 | 0RH1000D622 | 100 1/10W 5 D.R/TP |
| | | R1101 | 0RH1000D622 | 100 1/10W 5 D.R/TP |
| | | R1102 | 0RH1000D622 | 100 1/10W 5 D.R/TP |
| | | R1106 | 0RH1202D622 | 12K 1/10W 5 D.R/TP |
| | | R1107 | 0RH1502D622 | 15K 1/10W 5 D.R/TP |
| | | R118 | 0RH1000D622 | 100 1/10W 5 D.R/TP |
| | | R126 | 0RH1502D622 | 15K 1/10W 5 D.R/TP |
| | | R132 | 0RH1003D622 | 100K 1/10W 5 D.R/TP |
| | | R133 | 0RH1003D622 | 100K 1/10W 5 D.R/TP |
| | | R134 | 0RH1003D622 | 100K 1/10W 5 D.R/TP |
| | | R135 | 0RH1003D622 | 100K 1/10W 5 D.R/TP |
| | | R140 | 0RH0392D622 | 39 1/10W 5 D.R/TP |
| | | R141 | 0RH0392D622 | 39 1/10W 5 D.R/TP |
| | | R142 | 0RH0392D622 | 39 1/10W 5 D.R/TP |
| | | R143 | 0RH0392D622 | 39 1/10W 5 D.R/TP |
| | | R144 | 0RH0392D622 | 39 1/10W 5 D.R/TP |
| | | R145 | 0RH0392D622 | 39 1/10W 5 D.R/TP |
| | | R146 | 0RH0392D622 | 39 1/10W 5 D.R/TP |
| | | R147 | 0RH0392D622 | 39 1/10W 5 D.R/TP |
| | | R154 | 0RH0822D622 | 82 1/10W 5 D.R/TP |
| | | R156 | 0RH0822D622 | 82 1/10W 5 D.R/TP |
| | | R158 | 0RH0822D622 | 82 1/10W 5 D.R/TP |
| | | R162 | 0RH2701D622 | 2.7K 1/10W 5 D.R/TP |
| | | R201 | 0RH4703D622 | 470K 1/10W 5 D.R/TP |
| | | R202 | 0RH3901D622 | 3.9K 1/10W 5 D.R/TP |
| | | R203 | 0RH3901D622 | 3.9K 1/10W 5 D.R/TP |
| | | R204 | 0RH4703D622 | 470K 1/10W 5 D.R/TP |
| | | R24 | 0RH1000D622 | 100 1/10W 5 D.R/TP |
| | | R25 | 0RH1000D622 | 100 1/10W 5 D.R/TP |
| | | R266 | 0RH4701D622 | 4.7K 1/10W 5 D.R/TP |
| | | R267 | 0RH4702D622 | 47K 1/10W 5 D.R/TP |
| | | R268 | 0RH4701D622 | 4.7K 1/10W 5 D.R/TP |
| | | R312 | 0RH4700D622 | 470 1/10W 5 D.R/TP |
| | | R313 | 0RH1500D622 | 150 1/10W 5 D.R/TP |
| | | R314 | 0RH4700D622 | 470 1/10W 5 D.R/TP |
| | | R315 | 0RH1500D622 | 150 1/10W 5 D.R/TP |
| | | R322 | 0RH1500D622 | 150 1/10W 5 D.R/TP |
| | | R394 | 0RH6800D622 | 680 OHM 1 / 10 W 5% D R/TP |
| | | R395 | 0RH6800D622 | 680 OHM 1 / 10 W 5% D R/TP |
| | | R44 | 0RH1000D622 | 100 1/10W 5 D.R/TP |
| | | R45 | 0RH1000D622 | 100 1/10W 5 D.R/TP |
| | | R502 | 0RH3301D622 | 3.3K 1/10W 5 D.R/TP |
| | | R520 | 0RH1800D622 | 180 1/10W 5 D.R/TP |
| | | R527 | 0RH4701D622 | 4.7K 1/10W 5 D.R/TP |
| | | R607 | 0RH1000D622 | 100 1/10W 5 D.R/TP |
| | | R610 | 0RH2701D622 | 2.7K 1/10W 5 D.R/TP |
| | | R703 | 0RH4701D622 | 4.7K 1/10W 5 D.R/TP |
| | | R705 | 0RH4701D622 | 4.7K 1/10W 5 D.R/TP |
| | | R712 | 0RH0752D622 | 75 1/10W 5 D.R/TP |

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| *S | *AL | LOC. NO. | PART NO. | DESCRIPTION / SPECIFICATION |
|---|---|---|---|---|
| | | R713 | 0RH0752D622 | 75 1/10W 5 D.R/TP |
| | | R715 | 0RH1202D622 | 12K 1/10W 5 D.R/TP |
| | | R716 | 0RH0752D622 | 75 1/10W 5 D.R/TP |
| | | R719 | 0RH1502D622 | 15K 1/10W 5 D.R/TP |
| | | R725 | 0RH1000D622 | 100 1/10W 5 D.R/TP |
| | | R729 | 0RH1000D622 | 100 1/10W 5 D.R/TP |
| | | R730 | 0RH1000D622 | 100 1/10W 5 D.R/TP |
| | | R737 | 0RH4701D622 | 4.7K 1/10W 5 D.R/TP |
| | | R738 | 0RH4701D622 | 4.7K 1/10W 5 D.R/TP |
| | | R755 | 0RH0102D622 | 10 1/10W 5 D.R/TP |
| | | R756 | 0RH0102D622 | 10 1/10W 5 D.R/TP |
| | | R802 | 0RH8200D622 | 820 1/10W 5 D.R/TP |
| | | R805 | 0RH0752D622 | 75 1/10W 5 D.R/TP |
| | | R806 | 0RH4700D622 | 470 1/10W 5 D.R/TP |
| | | R809 | 0RH0102D622 | 10 1/10W 5 D.R/TP |
| | | R83 | 0RH1000D622 | 100 1/10W 5 D.R/TP |
| | | R85 | 0RH1000D622 | 100 1/10W 5 D.R/TP |
| | | R850 | 0RH4701D622 | 4.7K 1/10W 5 D.R/TP |
| | | R851 | 0RH4701D622 | 4.7K 1/10W 5 D.R/TP |
| | | R87 | 0RH1000D622 | 100 1/10W 5 D.R/TP |
| | | R89 | 0RH1000D622 | 100 1/10W 5 D.R/TP |
| | | R930 | 0RH3301D622 | 3.3K 1/10W 5 D.R/TP |
| | | R931 | 0RH3301D622 | 3.3K 1/10W 5 D.R/TP |
| | | R941 | 0RH1000D622 | 100 1/10W 5 D.R/TP |
| | | R960 | 0RH1000D622 | 100 1/10W 5 D.R/TP |
| | | R969 | 0RH1202D622 | 12K 1/10W 5 D.R/TP |
| | | R971 | 0RH1502D622 | 15K 1/10W 5 D.R/TP |
| | | R974 | 0RH4701D622 | 4.7K 1/10W 5 D.R/TP |
| | | R976 | 0RH4701D622 | 4.7K 1/10W 5 D.R/TP |
| | | L1003 | 0RH2200D622 | 220 1/10W 5 D.R/TP |
| | | RA600 | 0RRZVTA001A | MNR-14-E0A-J-101 R OHM 100 O |
| | | RA601 | 0RRZVTA001A | MNR-14-E0A-J-101 R OHM 100 O |
| | | RA602 | 0RRZVTA001A | MNR-14-E0A-J-101 R OHM 100 O |
| | | RA603 | 0RRZVTA001A | MNR-14-E0A-J-101 R OHM 100 O |
| | | RA604 | 0RRZVTA001A | MNR-14-E0A-J-101 R OHM 100 O |
| | | RA605 | 0RRZVTA001A | MNR-14-E0A-J-101 R OHM 100 O |
| | | L303 | 0RH0000D622 | 0 OHM 1 / 10 W 2012 5.00% D |
| | | R1002 | 0RH1501D622 | 1.5K OHM 1 / 10 W 2012 5.00% |
| | | R1011 | 0RH0000D622 | 0 OHM 1 / 10 W 2012 5.00% D |
| | | R1013 | 0RH0000D622 | 0 OHM 1 / 10 W 2012 5.00% D |
| | | R1015 | 0RH0000D622 | 0 OHM 1 / 10 W 2012 5.00% D |
| | | R1026 | 0RH0000D622 | 0 OHM 1 / 10 W 2012 5.00% D |
| | | R1105 | 0RH1001D622 | 1K OHM 1 / 10 W 2012 5.00% D |
| | | R1108 | 0RH1001D622 | 1K OHM 1 / 10 W 2012 5.00% D |
| | | R128 | 0RH1002D622 | 10K OHM 1 / 10 W 2012 5.00% D |
| | | R129 | 0RH1002D622 | 10K OHM 1 / 10 W 2012 5.00% D |
| | | R1290 | 0RH0000D622 | 0 OHM 1 / 10 W 2012 5.00% D |
| | | R1301 | 0RH1002D622 | 10K OHM 1 / 10 W 2012 5.00% D |
| | | R1304 | 0RH1002D622 | 10K OHM 1 / 10 W 2012 5.00% D |
| | | R1350 | 0RH0000D622 | 0 OHM 1 / 10 W 2012 5.00% D |
| | | R22 | 0RH0000D622 | 0 OHM 1 / 10 W 2012 5.00% D |
| | | R264 | 0RH1001D622 | 1K OHM 1 / 10 W 2012 5.00% D |
| | | R265 | 0RH1001D622 | 1K OHM 1 / 10 W 2012 5.00% D |
| | | R271 | 0RH0000D622 | 0 OHM 1 / 10 W 2012 5.00% D |
| | | R273 | 0RH0000D622 | 0 OHM 1 / 10 W 2012 5.00% D |
| | | R300 | 0RH1002D622 | 10K OHM 1 / 10 W 2012 5.00% D |
| | | R301 | 0RH1002D622 | 10K OHM 1 / 10 W 2012 5.00% D |
| | | R302 | 0RH1002D622 | 10K OHM 1 / 10 W 2012 5.00% D |
| | | R304 | 0RH1002D622 | 10K OHM 1 / 10 W 2012 5.00% D |
| | | R305 | 0RH1002D622 | 10K OHM 1 / 10 W 2012 5.00% D |
| | | R306 | 0RH1002D622 | 10K OHM 1 / 10 W 2012 5.00% D |
| | | R307 | 0RH1002D622 | 10K OHM 1 / 10 W 2012 5.00% D |

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|---|---|---|---|---|
| | | R308 | 0RH1002D622 | 10K OHM 1 / 10 W 2012 5.00% D |
| | | R309 | 0RH1002D622 | 10K OHM 1 / 10 W 2012 5.00% D |
| | | R338 | 0RH1002D622 | 10K OHM 1 / 10 W 2012 5.00% D |
| | | R339 | 0RH1002D622 | 10K OHM 1 / 10 W 2012 5.00% D |
| | | R342 | 0RH1002D622 | 10K OHM 1 / 10 W 2012 5.00% D |
| | | R343 | 0RH1002D622 | 10K OHM 1 / 10 W 2012 5.00% D |
| | | R348 | 0RH1002D622 | 10K OHM 1 / 10 W 2012 5.00% D |
| | | R349 | 0RH1002D622 | 10K OHM 1 / 10 W 2012 5.00% D |
| | | R352 | 0RH1002D622 | 10K OHM 1 / 10 W 2012 5.00% D |
| | | R353 | 0RH1002D622 | 10K OHM 1 / 10 W 2012 5.00% D |
| | | R354 | 0RH1002D622 | 10K OHM 1 / 10 W 2012 5.00% D |
| | | R355 | 0RH1002D622 | 10K OHM 1 / 10 W 2012 5.00% D |
| | | R363 | 0RH1001D622 | 1K OHM 1 / 10 W 2012 5.00% D |
| | | R367 | 0RH1001D622 | 1K OHM 1 / 10 W 2012 5.00% D |
| | | R373 | 0RH1001D622 | 1K OHM 1 / 10 W 2012 5.00% D |
| | | R377 | 0RH1001D622 | 1K OHM 1 / 10 W 2012 5.00% D |
| | | R379 | 0RH1001D622 | 1K OHM 1 / 10 W 2012 5.00% D |
| | | R381 | 0RH1001D622 | 1K OHM 1 / 10 W 2012 5.00% D |
| | | R383 | 0RH1001D622 | 1K OHM 1 / 10 W 2012 5.00% D |
| | | R46 | 0RH1001D622 | 1K OHM 1 / 10 W 2012 5.00% D |
| | | R505 | 0RH0000D622 | 0 OHM 1 / 10 W 2012 5.00% D |
| | | R506 | 0RH0000D622 | 0 OHM 1 / 10 W 2012 5.00% D |
| | | R516 | 0RH0222D622 | 22 OHM 1 / 10 W 2012 5.00% D |
| | | R517 | 0RH0222D622 | 22 OHM 1 / 10 W 2012 5.00% D |
| | | R519 | 0RH0222D622 | 22 OHM 1 / 10 W 2012 5.00% D |
| | | R530 | 0RH0000D622 | 0 OHM 1 / 10 W 2012 5.00% D |
| | | R532 | 0RH0222D622 | 22 OHM 1 / 10 W 2012 5.00% D |
| | | R700 | 0RH0000D622 | 0 OHM 1 / 10 W 2012 5.00% D |
| | | R726 | 0RH0000D622 | 0 OHM 1 / 10 W 2012 5.00% D |
| | | R732 | 0RH1001D622 | 1K OHM 1 / 10 W 2012 5.00% D |
| | | R752 | 0RH0000D622 | 0 OHM 1 / 10 W 2012 5.00% D |
| | | R753 | 0RH0000D622 | 0 OHM 1 / 10 W 2012 5.00% D |
| | | R760 | 0RH0000D622 | 0 OHM 1 / 10 W 2012 5.00% D |
| | | R761 | 0RH0000D622 | 0 OHM 1 / 10 W 2012 5.00% D |
| | | R803 | 0RH0000D622 | 0 OHM 1 / 10 W 2012 5.00% D |
| | | R854 | 0RH0000D622 | 0 OHM 1 / 10 W 2012 5.00% D |
| | | R963 | 0RH1002D622 | 10K OHM 1 / 10 W 2012 5.00% D |
| | | R964 | 0RH0000D622 | 0 OHM 1 / 10 W 2012 5.00% D |
| | | R979 | 0RH0000D622 | 0 OHM 1 / 10 W 2012 5.00% D |
| | | R999 | 0RH0000D622 | 0 OHM 1 / 10 W 2012 5.00% D |
| | | R100 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R101 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R102 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R103 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R105 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R108 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R109 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R110 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R1109 | 0RJ1001D677 | 1K OHM 1/10 W 5% 1608 R/TP |
| | | R111 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R1110 | 0RJ0000D677 | 0 OHM 1/10 W 5% 1608 R/TP |
| | | R112 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R113 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R114 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R115 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R116 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R117 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R120 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R121 | 0RJ0000D677 | 0 OHM 1/10 W 5% 1608 R/TP |
| | | R122 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R123 | 0RJ2202D677 | 22K OHM 1/10 W 5% 1608 R/TP |
| | | R124 | 0RJ1500D677 | 150 OHM 1/10 W 5% 1608 R/TP |

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|---|---|---|---|---|
| | | R125 | 0RJ4701D677 | 4.7K OHM 1/10 W 5% 1608 R/TP |
| | | R127 | 0RJ3301D677 | 3.3K OHM 1/10 W 5% 1608 R/TP |
| | | R130 | 0RJ6801D477 | 6.8K OHM 1/10 W 1% 1608 R/TP |
| | | R1300 | 0RJ6801D477 | 6.8K OHM 1/10 W 1% 1608 R/TP |
| | | R1302 | 0RJ2202D477 | 22K OHM 1/10 W 1% 1608 R/TP |
| | | R1303 | 0RJ6801D477 | 6.8K OHM 1/10 W 1% 1608 R/TP |
| | | R1305 | 0RJ2202D477 | 22K OHM 1/10 W 1% 1608 R/TP |
| | | R131 | 0RJ6801D477 | 6.8K OHM 1/10 W 1% 1608 R/TP |
| | | R136 | 0RJ8202D677 | 82K OHM 1/10 W 5% 1608 R/TP |
| | | R137 | 0RJ8202D677 | 82K OHM 1/10 W 5% 1608 R/TP |
| | | R138 | 0RJ1002D677 | 10K OHM 1/10 W 5% 1608 R/TP |
| | | R139 | 0RJ1002D677 | 10K OHM 1/10 W 5% 1608 R/TP |
| | | R15 | 0RJ4700D677 | 470 OHM 1/10 W 5% 1608 R/TP |
| | | R152 | 0RJ0000D677 | 0 OHM 1/10 W 5% 1608 R/TP |
| | | R153 | 0RJ0000D677 | 0 OHM 1/10 W 5% 1608 R/TP |
| | | R155 | 0RJ2700D677 | 270 OHM 1/10 W 5% 1608 R/TP |
| | | R157 | 0RJ2700D677 | 270 OHM 1/10 W 5% 1608 R/TP |
| | | R159 | 0RJ2700D677 | 270 OHM 1/10 W 5% 1608 R/TP |
| | | R16 | 0RJ1002D677 | 10K OHM 1/10 W 5% 1608 R/TP |
| | | R160 | 0RJ1500D677 | 150 OHM 1/10 W 5% 1608 R/TP |
| | | R161 | 0RJ0222D677 | 22 OHM 1/10 W 5% 1608 R/TP |
| | | R163 | 0RJ1500D677 | 150 OHM 1/10 W 5% 1608 R/TP |
| | | R164 | 0RJ1500D677 | 150 OHM 1/10 W 5% 1608 R/TP |
| | | R17 | 0RJ2202D677 | 22K OHM 1/10 W 5% 1608 R/TP |
| | | R173 | 0RJ3301D677 | 3.3K OHM 1/10 W 5% 1608 R/TP |
| | | R175 | 0RJ3301D677 | 3.3K OHM 1/10 W 5% 1608 R/TP |
| | | R18 | 0RJ0000D677 | 0 OHM 1/10 W 5% 1608 R/TP |
| | | R205 | 0RJ0682D677 | 68 OHM 1/10 W 5% 1608 R/TP |
| | | R207 | 0RJ0752D677 | 75 OHM 1/10 W 5% 1608 R/TP |
| | | R209 | 0RJ0222D677 | 22 OHM 1/10 W 5% 1608 R/TP |
| | | R210 | 0RJ3902D677 | 39K OHM 1/10 W 5% 1608 R/TP |
| | | R211 | 0RJ5102D677 | 51K OHM 1/10 W 5% 1608 R/TP |
| | | R213 | 0RJ0752D677 | 75 OHM 1/10 W 5% 1608 R/TP |
| | | R214 | 0RJ0752D677 | 75 OHM 1/10 W 5% 1608 R/TP |
| | | R218 | 0RJ1001D677 | 1K OHM 1/10 W 5% 1608 R/TP |
| | | R220 | 0RJ1001D677 | 1K OHM 1/10 W 5% 1608 R/TP |
| | | R237 | 0RJ0682D677 | 68 OHM 1/10 W 5% 1608 R/TP |
| | | R238 | 0RJ0222D677 | 22 OHM 1/10 W 5% 1608 R/TP |
| | | R239 | 0RJ0752D677 | 75 OHM 1/10 W 5% 1608 R/TP |
| | | R240 | 0RJ0222D677 | 22 OHM 1/10 W 5% 1608 R/TP |
| | | R241 | 0RJ0752D677 | 75 OHM 1/10 W 5% 1608 R/TP |
| | | R244 | 0RJ0000D677 | 0 OHM 1/10 W 5% 1608 R/TP |
| | | R245 | 0RJ0752D677 | 75 OHM 1/10 W 5% 1608 R/TP |
| | | R246 | 0RJ0000D677 | 0 OHM 1/10 W 5% 1608 R/TP |
| | | R247 | 0RJ0752D677 | 75 OHM 1/10 W 5% 1608 R/TP |
| | | R248 | 0RJ0000D677 | 0 OHM 1/10 W 5% 1608 R/TP |
| | | R249 | 0RJ0752D677 | 75 OHM 1/10 W 5% 1608 R/TP |
| | | R250 | 0RJ3902D677 | 39K OHM 1/10 W 5% 1608 R/TP |
| | | R251 | 0RJ5102D677 | 51K OHM 1/10 W 5% 1608 R/TP |
| | | R253 | 0RJ1001D677 | 1K OHM 1/10 W 5% 1608 R/TP |
| | | R254 | 0RJ1001D677 | 1K OHM 1/10 W 5% 1608 R/TP |
| | | R256 | 0RJ1001D677 | 1K OHM 1/10 W 5% 1608 R/TP |
| | | R257 | 0RJ1001D677 | 1K OHM 1/10 W 5% 1608 R/TP |
| | | R303 | 0RJ1002D677 | 10K OHM 1/10 W 5% 1608 R/TP |
| | | R317 | 0RJ2700D677 | 270 OHM 1/10 W 5% 1608 R/TP |
| | | R319 | 0RJ2700D677 | 270 OHM 1/10 W 5% 1608 R/TP |
| | | R321 | 0RJ2700D677 | 270 OHM 1/10 W 5% 1608 R/TP |
| | | R323 | 0RJ1500D677 | 150 OHM 1/10 W 5% 1608 R/TP |
| | | R326 | 0RJ0000D677 | 0 OHM 1/10 W 5% 1608 R/TP |
| | | R329 | 0RJ0000D677 | 0 OHM 1/10 W 5% 1608 R/TP |
| | | R34 | 0RJ0000D677 | 0 OHM 1/10 W 5% 1608 R/TP |
| | | R35 | 0RJ0000D677 | 0 OHM 1/10 W 5% 1608 R/TP |

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| *S | *AL | LOC. NO. | PART NO. | DESCRIPTION / SPECIFICATION |
|---|---|---|---|---|
| | | R356 | 0RJ1002D677 | 10K OHM 1/10 W 5% 1608 R/TP |
| | | R357 | 0RJ1002D677 | 10K OHM 1/10 W 5% 1608 R/TP |
| | | R358 | 0RJ1002D677 | 10K OHM 1/10 W 5% 1608 R/TP |
| | | R359 | 0RJ1002D677 | 10K OHM 1/10 W 5% 1608 R/TP |
| | | R385 | 0RJ6800D677 | 680 OHM 1/10 W 5% 1608 R/TP |
| | | R387 | 0RJ6800D677 | 680 OHM 1/10 W 5% 1608 R/TP |
| | | R390 | 0RJ6800D677 | 680 OHM 1/10 W 5% 1608 R/TP |
| | | R392 | 0RJ6800D677 | 680 OHM 1/10 W 5% 1608 R/TP |
| | | R393 | 0RJ6800D677 | 680 OHM 1/10 W 5% 1608 R/TP |
| | | R444 | 0RJ0000D677 | 0 OHM 1/10 W 5% 1608 R/TP |
| | | R447 | 0RJ0000D677 | 0 OHM 1/10 W 5% 1608 R/TP |
| | | R448 | 0RJ0000D677 | 0 OHM 1/10 W 5% 1608 R/TP |
| | | R47 | 0RJ0000D677 | 0 OHM 1/10 W 5% 1608 R/TP |
| | | R48 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R50 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R500 | 0RJ1002D677 | 10K OHM 1/10 W 5% 1608 R/TP |
| | | R501 | 0RJ1002D677 | 10K OHM 1/10 W 5% 1608 R/TP |
| | | R504 | 0RJ1001D677 | 1K OHM 1/10 W 5% 1608 R/TP |
| | | R51 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R514 | 0RJ0000D677 | 0 OHM 1/10 W 5% 1608 R/TP |
| | | R515 | 0RJ4703D677 | 470K OHM 1/10 W 5% 1608 R/TP |
| | | R518 | 0RJ0000D677 | 0 OHM 1/10 W 5% 1608 R/TP |
| | | R52 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R521 | 0RJ0222D677 | 22 OHM 1/10 W 5% 1608 R/TP |
| | | R522 | 0RJ0332D677 | 33 OHM 1/10 W 5% 1608 R/TP |
| | | R523 | 0RJ0222D677 | 22 OHM 1/10 W 5% 1608 R/TP |
| | | R524 | 0RJ0332D677 | 33 OHM 1/10 W 5% 1608 R/TP |
| | | R525 | 0RJ0222D677 | 22 OHM 1/10 W 5% 1608 R/TP |
| | | R526 | 0RJ0332D677 | 33 OHM 1/10 W 5% 1608 R/TP |
| | | R528 | 0RJ0222D677 | 22 OHM 1/10 W 5% 1608 R/TP |
| | | R529 | 0RJ0000D677 | 0 OHM 1/10 W 5% 1608 R/TP |
| | | R53 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R533 | 0RJ0222D677 | 22 OHM 1/10 W 5% 1608 R/TP |
| | | R534 | 0RJ0222D677 | 22 OHM 1/10 W 5% 1608 R/TP |
| | | R54 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R55 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R56 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R57 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R58 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R59 | 0RJ1211D477 | 1.21K OHM 1/10 W 1% 1608 R/TP |
| | | R60 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R600 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R601 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R602 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R603 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R604 | 0RJ0000D677 | 0 OHM 1/10 W 5% 1608 R/TP |
| | | R606 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R608 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R609 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R62 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R64 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R66 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R68 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R70 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R701 | 0RJ1001D677 | 1K OHM 1/10 W 5% 1608 R/TP |
| | | R702 | 0RJ1001D677 | 1K OHM 1/10 W 5% 1608 R/TP |
| | | R706 | 0RJ0000D677 | 0 OHM 1/10 W 5% 1608 R/TP |
| | | R71 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R711 | 0RJ0222D677 | 22 OHM 1/10 W 5% 1608 R/TP |
| | | R717 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R718 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R72 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |

DATE: 2004. 06.18.

| *S | *AL | LOC. NO. | PART NO. | DESCRIPTION / SPECIFICATION |
|---|---|---|---|---|
| | | R720 | 0RJ0222D677 | 22 OHM 1/10 W 5% 1608 R/TP |
| | | R721 | 0RJ0222D677 | 22 OHM 1/10 W 5% 1608 R/TP |
| | | R722 | 0RJ0222D677 | 22 OHM 1/10 W 5% 1608 R/TP |
| | | R727 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R728 | 0RJ0000D677 | 0 OHM 1/10 W 5% 1608 R/TP |
| | | R73 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R731 | 0RJ4701D677 | 4.7K OHM 1/10 W 5% 1608 R/TP |
| | | R739 | 0RJ0222D677 | 22 OHM 1/10 W 5% 1608 R/TP |
| | | R740 | 0RJ0222D677 | 22 OHM 1/10 W 5% 1608 R/TP |
| | | R751 | 0RJ0000D677 | 0 OHM 1/10 W 5% 1608 R/TP |
| | | R754 | 0RJ0000D677 | 0 OHM 1/10 W 5% 1608 R/TP |
| | | R757 | 0RJ0000D677 | 0 OHM 1/10 W 5% 1608 R/TP |
| | | R758 | 0RJ0000D677 | 0 OHM 1/10 W 5% 1608 R/TP |
| | | R759 | 0RJ0000D677 | 0 OHM 1/10 W 5% 1608 R/TP |
| | | R79 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R800 | 0RJ0752D677 | 75 OHM 1/10 W 5% 1608 R/TP |
| | | R801 | 0RJ0752D677 | 75 OHM 1/10 W 5% 1608 R/TP |
| | | R807 | 0RJ0102D677 | 10 OHM 1/10 W 5% 1608 R/TP |
| | | R808 | 0RJ0102D677 | 10 OHM 1/10 W 5% 1608 R/TP |
| | | R81 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R852 | 0RJ4701D677 | 4.7K OHM 1/10 W 5% 1608 R/TP |
| | | R853 | 0RJ4701D677 | 4.7K OHM 1/10 W 5% 1608 R/TP |
| | | R855 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R856 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R86 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R88 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R90 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R901 | 0RJ0472D677 | 47 OHM 1/10 W 5% 1608 R/TP |
| | | R902 | 0RJ0472D677 | 47 OHM 1/10 W 5% 1608 R/TP |
| | | R904 | 0RJ0472D677 | 47 OHM 1/10 W 5% 1608 R/TP |
| | | R906 | 0RJ0472D677 | 47 OHM 1/10 W 5% 1608 R/TP |
| | | R908 | 0RJ0822D677 | 82 OHM 1/10 W 5% 1608 R/TP |
| | | R909 | 0RJ0822D677 | 82 OHM 1/10 W 5% 1608 R/TP |
| | | R910 | 0RJ0822D677 | 82 OHM 1/10 W 5% 1608 R/TP |
| | | R913 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R914 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R915 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R916 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R917 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R918 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R919 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R92 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R920 | 0RJ4990D477 | 499 OHM 1/10 W 1% 1608 R/TP |
| | | R921 | 0RJ4990D477 | 499 OHM 1/10 W 1% 1608 R/TP |
| | | R923 | 0RJ0222D677 | 22 OHM 1/10 W 5% 1608 R/TP |
| | | R924 | 0RJ0222D677 | 22 OHM 1/10 W 5% 1608 R/TP |
| | | R925 | 0RJ0222D677 | 22 OHM 1/10 W 5% 1608 R/TP |
| | | R926 | 0RJ0222D677 | 22 OHM 1/10 W 5% 1608 R/TP |
| | | R927 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R928 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R929 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R93 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R933 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R934 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R935 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R936 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R937 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R938 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R939 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R94 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R940 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R942 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |

DATE: 2004. 06.18.

| *S | *AL | LOC. NO. | PART NO. | DESCRIPTION / SPECIFICATION |
|---|---|---|---|---|
| | | R943 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R944 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R945 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R946 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R947 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R948 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R949 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R95 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R950 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R952 | 0RJ1002D677 | 10K OHM 1/10 W 5% 1608 R/TP |
| | | R953 | 0RJ1002D677 | 10K OHM 1/10 W 5% 1608 R/TP |
| | | R96 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R965 | 0RJ0222D677 | 22 OHM 1/10 W 5% 1608 R/TP |
| | | R966 | 0RJ0222D677 | 22 OHM 1/10 W 5% 1608 R/TP |
| | | R967 | 0RJ0222D677 | 22 OHM 1/10 W 5% 1608 R/TP |
| | | R968 | 0RJ0222D677 | 22 OHM 1/10 W 5% 1608 R/TP |
| | | R970 | 0RJ1001D677 | 1K OHM 1/10 W 5% 1608 R/TP |
| | | R972 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R975 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R98 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | R99 | 0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP |
| | | **OTHERs** | | |
| | | Z1000 | 6200QL3002F | "X6966M EPCOS ST SIP5K, 6200QL" |
| | | P700 | 6612BBBHN6A | 440062-1 AMP DVI INTERACED RI |
| | | JA100 | 6612F00059C | KJA-SHS360LB KSD SHIELD 3.6PH |
| | | SC1 | 381-091C | UPJ-R1-019 UGCOM 21PIN W/SHIE |
| | | SC2 | 381-091C | UPJ-R1-019 UGCOM 21PIN W/SHIE |
| | | X11 | 6202VDT002E | SX-1SMD SUNNY RADIAL 20250000 |
| | | X500 | 6202VDT002J | SX-1 SUNNY 13.500000MHZ +/- 5 |
| | | X900 | 6202VDT002B | SX-1 SUNNY SC14.3MHZ +/- 30 P |
| | | IC900 | 6620F00017A | CCSD-32T-SM WOOYOUNG 32P PLCC |
| | | TU1000 | 6700VS0003A | TAEW-G051D LG INOTEK MULTI VS |
| | | **KEY BOARD** | | |
| | | L1700 | 0LA0102K119 | 10UH K 2.3*3.4 TP |
| | | R1700 | 0RN8200F409 | 820 1/6W 1% TA52 |
| | | R1701 | 0RN6200F409 | 620 1/6W 1% TA52 |
| | | R1702 | 0RN5100F409 | 510 1/6W 1 TA52 |
| | | R1703 | 0RN4300F409 | 430 OHM 1/6 W 1.00% TA52 |
| | | R1704 | 0RN3300F409 | 330 1/6W 1% TA52 |
| | | R1705 | 0RN2700F409 | 270 1/6W 1% TA52 |
| | | R1706 | 0RN2701F409 | 2.7K OHM 1/6 W 1.00% TA52 |
| | | SW1700 | 140-313A | TACT 2LEAD 100G(TA) LG C&D NO |
| | | SW1701 | 140-313A | TACT 2LEAD 100G(TA) LG C&D NO |
| | | SW1702 | 140-313A | TACT 2LEAD 100G(TA) LG C&D NO |
| | | SW1703 | 140-313A | TACT 2LEAD 100G(TA) LG C&D NO |
| | | SW1704 | 140-313A | TACT 2LEAD 100G(TA) LG C&D NO |
| | | SW1705 | 140-313A | TACT 2LEAD 100G(TA) LG C&D NO |
| | | SW1706 | 140-313A | TACT 2LEAD 100G(TA) LG C&D NO |
| | | **LED & IR BOARD** | | |
| | | C1600 | 0CH3104K566 | 0.1UF 50V 10% X7R 2012 R/TP |
| | | L1600 | 0LC1032101A | 10UH 10% 3216 R/TC FI-C3216-1 |
| | | R1600 | 0RH3301D622 | 3.3K 1/10W 5 D.R/TP |
| | | R1601 | 0RH2701D622 | 2.7K 1/10W 5 D.R/TP |
| | | R1602 | 0RH2700D622 | 270 1/10W 5 D.R/TP |
| | | R1603 | 0RH1001D622 | 1K OHM 1/10W 2012 5.00 |

DATE: 2004. 06.18.

| *S | *AL | LOC. NO. | PART NO. | DESCRIPTION / SPECIFICATION |
|---|---|---|---|---|
| | | R1604 | 0RH1001D622 | 1K OHM 1/10W 2012 5.00 |
| | | R1605 | 0RH1001D622 | 1K OHM 1/10W 2012 5.00 |
| | | Q1601 | 0TR387500AA | CHIP 2SC3875S(ALY)BK KEC |
| | | Q1602 | 0TR387500AA | CHIP 2SC3875S(ALY)BK KEC |
| | | Q1603 | 0TR387500AA | CHIP 2SC3875S(ALY)BK KEC |
| | | TR1600 | 0TR150400BA | CHIP 2SA1504S(ASY) BK KEC - - |
| | | LED1600 | 0DLBE0138AA | BRIGHT LED ELECTRONICS BL-BUB |
| | | SW1600 | 140-313A | TACT 2LEAD 100G(TA) LG C&D NO |
| | | C1500 | 0CN1040K949 | 0.1M 50V Z F TA52 |
| | | L1500 | 0LA0102K119 | 10UH K 2.3*3.4 TP |
| | | IR1500 | 6726TV0001A | TSOP4838SO1 VISHAY 38.0KHZ HO |
| | | **VIDEO BOARD** | | |
| | | C2006 | 0CN4710K519 | 470P 50V K B TA52 |
| | | C2007 | 0CN4710K519 | 470P 50V K B TA52 |
| | | R2001 | 0RD0752Q609 | 75 1/4W(3 5% TA52 |
| | | R2002 | 0RD0752Q609 | 75 1/4W(3 5% TA52 |
| | | R2003 | 0RD0752Q609 | 75 1/4W(3 5% TA52 |
| | | R2004 | 0RD0752Q609 | 75 1/4W(3 5% TA52 |
| | | R2005 | 0RD0752Q609 | 75 1/4W(3 5% TA52 |
| | | R2006 | 0RD4703Q609 | 470K 1/4W(3 5% TA52 |
| | | R2007 | 0RD4703Q609 | 470K 1/4W(3 5% TA52 |
| | | JA2000 | 6612J00060A | "PMJ016-07 PARK ELEC. RCA/DIN," |
| | | JA2001 | 380-336E | WA6013E PARKELEC RCA 1P WH GO |
| | | JA2002 | 380-336F | WA6013E PARKELEC RCA RED 1P G |

ML041A 001.SHT 2004.03.09

FOR TUNER. LEVEL SHIFTING

VCTI VOLTAGE REGULATOR

TUNER <SAW FILTER>

TU1000

IC1 VCT49xyI

BS TUNER

SIDE_AV

VIDEO OUT BUFFER

P101 9P_2.0MM

IC200 LA7222

IC201 (BS)LA7222

DC-DC CONVERTER

IC1301 MP1583DN 5V

IC1300 MP1583DN 5V

IC1101 814963

AUDIO AMP

SPK R

SPK L

FOR FL12300 P103

FOR VISUAL_I2C

FOR DEBUGGING. ROM EMULATOR

SC2 SCART_JACK

SC1 SCART_JACK

JA205A/B

CAUTION!!! <PCB LAYOUT>

Date: 2004. 05. 07
P/No.:3854TP3001A

IC905
FAN1587_3.3V

IC906
LM1086DT-18

IC601
LM1117_3.3V

IC604
FAN1587_3.3V

IC602
LM1086DT-18

P700
DVI_I

IC703
AT24C16

IC749
AT24C16

PANEL POWER

IC904
(5V)MP1583DN

IC902
S1083

IC850
M52758FP

IC750
ST3232CDR

IC752
74HCT157

IC800
SM5301

IC600
MST9883C

IC500
S2300

IC901
gm5221

IC501
M12L64322A

P903
30P_LVDS(CM030*.27*)

P902
20P_LVDS(LPL26*.23*.AUO26*)

P901
20P_LVDS(LPL30*.AUO30*)

P905

P939

Date: 2004. 05. 07
P/No.:3854TP3001A

P/NO : 3828TSL103B

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